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**Contour integration by the human visual system:
evidence for a local "association field"**

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1470	The role of edges and line-ends in illusory contour formation. <i>Vision Research</i> , 1993 , 33, 2253-70	2.1	85
1469	The conspicuousness of orientation and motion contrast. 1993 , 7, 341-63		53
1468	A closed curve is much more than an incomplete one: effect of closure in figure-ground segmentation. 1993 , 90, 7495-7		402
1467	Oscillatory and non-oscillatory synchronizations in the visual cortex and their possible roles in associations of visual features. 1994 , 102, 405-26		80
1466	Early perceptual learning. 1994 , 91, 1195-7		72
1465	Ramp edges, Mach bands, and the functional significance of the simple cell assembly. 1994 , 70, 449-461		13
1464	Perceptual sensitivity maps within globally defined visual shapes. 1994 , 370, 644-6		182
1463	Interference in the perceived segregation of equal-luminance element-arrangement texture patterns. 1994 , 56, 424-30		9
1462	3-D vision and figure-ground separation by visual cortex. 1994 , 55, 48-121		391
1461	Asymmetries in preattentive line detection. <i>Vision Research</i> , 1994 , 34, 3103-9	2.1	22
1460	The architecture of perceptual spatial interactions. <i>Vision Research</i> , 1994 , 34, 73-8	2.1	415
1459	What Is the Goal of Sensory Coding?. 1994 , 6, 559-601		847
1458	The computation of contour information in complex objects. 1994 , 23, 399-409		32
1457	Phenomena of illusory form: can we bridge the gap between levels of explanation?. 1995 , 24, 1333-64		111
1456	Adaptation to spatial offsets. 1995 , 24, 1407-26		8
1455	Effects of lorazepam on perceptual integration of visual forms in healthy volunteers. 1995 , 119, 105-14		25
1454	Synchronous high-frequency oscillations in cat area 18. 1995 , 7, 86-95		35

1453	Different rules of spatial summation from beyond the receptive field for spike rates and oscillation amplitudes in cat visual cortex. 1995 , 669, 291-7		38
1452	Illusory contours: Toward a neurally based perceptual theory. 1995 , 2, 279-321		49
1451	Three-dimensional features facilitate object recognition. 1995 , 2, 451-478		7
1450	Brightness perception, illusory contours, and corticogeniculate feedback. 1995 , 12, 1027-52		184
1449	Improvement in visual sensitivity by changes in local context: parallel studies in human observers and in V1 of alert monkeys. 1995 , 15, 843-56		885
1448	Correlated firing in sensory-motor systems. 1995 , 5, 511-9		100
1447	Contour integration across depth. <i>Vision Research</i> , 1995 , 35, 1699-711	2.1	43
1446	Detection of orientationally multimodal textures. <i>Vision Research</i> , 1995 , 35, 1991-2005	2.1	17
1445	Discrimination of orientation-defined texture edges. <i>Vision Research</i> , 1995 , 35, 2863-77	2.1	62
1444	Effects of a static textured background on motion integration. <i>Vision Research</i> , 1995 , 35, 2303-14	2.1	9
1443	Detecting a trajectory embedded in random-direction motion noise. <i>Vision Research</i> , 1995 , 35, 65-77	2.1	93
1442	Sensitivity to orientation modulation in micropattern-based textures. <i>Vision Research</i> , 1995 , 35, 79-91	2.1	62
1441	A linear systems approach to the detection of both abrupt and smooth spatial variations in orientation-defined textures. <i>Vision Research</i> , 1996 , 36, 409-20	2.1	29
1440	Contour integration with colour and luminance contrast. <i>Vision Research</i> , 1996 , 36, 1265-79	2.1	79
1439	Perceived texture segregation in chromatic element-arrangement patterns: high intensity interference. <i>Vision Research</i> , 1996 , 36, 1745-60	2.1	15
1438	Neurophysiological evidence for contrast dependent long-range facilitation and suppression in the human visual cortex. <i>Vision Research</i> , 1996 , 36, 2099-109	2.1	166
1437	Spatial properties of filters underlying vernier acuity revealed by masking: evidence for collator mechanisms. <i>Vision Research</i> , 1996 , 36, 2459-73	2.1	29
1436	Mach bands: how many models are possible? Recent experimental findings and modeling attempts. <i>Vision Research</i> , 1996 , 36, 3205-27	2.1	75

1435	Long-range interactions in visual perception. 1996 , 19, 428-34	55
1434	Gestalten of today: early processing of visual contours and surfaces. 1996 , 82, 1-11	143
1433	Plasticity in visual perception and physiology. 1996 , 6, 269-74	71
1432	Visual organization for figure/ground separation. 1996 ,	19
1431	The Origins of Object Perception. 1996 , 3-48	18
1430	Spatial integration and cortical dynamics. 1996 , 93, 615-22	292
1429	Perceived structure of plaids implies variable combination of oriented filters in edge finding. 1996 , 2657, 175	3
1428	Spatial filter combination in human pattern vision: channel interactions revealed by adaptation. 1996 , 25, 255-77	18
1427	Critical operations in low-level human vision. 1996 , 7, 65-77	1
1426	Early vision: Images, context and memory. 1996 , 3-17	2
1425	The role of neuronal synchronization in response selection: a biologically plausible theory of structured representations in the visual cortex. 1996 , 8, 603-25	143
1424	Cortical synchronization and perceptual framing. 1997 , 9, 117-32	82
1423	Lorazepam, a Benzodiazepine, Induces Atypical Distractor Effects with Compound Stimuli: A Role for Line-ends in the Processing of Compound Letters. 1997 , 4, 337-372	16
1422	Characterization of the human visual system threshold performance by a weighting function in the Gabor domain. 1997 , 44, 127-148	14
1421	In search of common foundations for cortical computation. 1997 , 20, 657-83; discussion 683-722	338
1420	Biologically inspired recognition model with extension fields.	
1419	Orientation selectivity and the arrangement of horizontal connections in tree shrew striate cortex. 1997 , 17, 2112-27	849
1418	Colour in a larger perspective: the rebirth of Gestalt psychology. 1997 , 26, 1341-52	12

1417	Interpolation processes in the perception of real and illusory contours. 1997 , 26, 1445-58		26
1416	Surface completion complements boundary interpolation in the visual integration of partly occluded objects. 1997 , 26, 1459-79		110
1415	Plasticity in adult sensory cortex: a review. 1997 , 8, R33-R76		5
1414	Grouping in sparse random-dot patterns: linear and nonlinear mechanisms. 1997 ,		1
1413	Models of visual processing derived from cortical microelectrode recordings. <i>Lecture Notes in Computer Science</i> , 1997 , 1005-1027	0.9	1
1412	Evolving concepts of spatial channels in vision: from independence to nonlinear interactions. 1997 , 26, 939-60		40
1411	Recognition model with extension fields. <i>Lecture Notes in Computer Science</i> , 1997 , 1164-1173	0.9	
1410	A theory of illusory lightness and transparency in monocular and binocular images: the role of contour junctions. 1997 , 26, 419-53		229
1409	Integration of local pattern elements into a global shape in human vision. 1997 , 94, 8267-71		31
1408	Identification of salient contours in cluttered images.		
1407	Abnormal long-range spatial interactions in amblyopia. <i>Vision Research</i> , 1997 , 37, 737-44	2.1	122
1406	Integrating contours within and through depth. <i>Vision Research</i> , 1997 , 37, 691-6	2.1	27
1405	Curve detection in a noisy image. <i>Vision Research</i> , 1997 , 37, 1217-41	2.1	49
1404	Object grouping contingent upon background. <i>Vision Research</i> , 1997 , 37, 1313-24	2.1	13
1403	Contour integration in strabismic amblyopia: the sufficiency of an explanation based on positional uncertainty. <i>Vision Research</i> , 1997 , 37, 3145-61	2.1	87
1402	The detection of structure in glass patterns: psychophysics and computational models. <i>Vision Research</i> , 1997 , 37, 2227-46	2.1	73
1401	Curvilinearity, covariance, and regularity in perceptual groups. <i>Vision Research</i> , 1997 , 37, 2835-48	2.1	49
1400	Spatial facilitation predicted with end-stopped spatial filters. <i>Vision Research</i> , 1997 , 37, 3117-27	2.1	70

1399	Perception of stationary plaids: the role of spatial filters in edge analysis. <i>Vision Research</i> , 1997 , 37, 3255-71	43
1398	Information: In the stimulus or in the context?. 1997 , 20, 698-700	4
1397	Visual brain and visual perception: how does the cortex do perceptual grouping?. 1997 , 20, 106-11	312
1396	Is synchronization necessary and is it sufficient?. 1997 , 20, 683-684	21
1395	Progress toward an understanding of cortical computation. 1997 , 20, 703-714	28
1394	Nonlinear computation and dynamic cognitive generalities. 1997 , 20, 688-689	
1393	Topologic organization of context fields for sensorimotor coordination. 1997 , 20, 693-693	
1392	Information theory: The Holy Grail of cortical computation?. 1997 , 20, 698-698	3
1391	On the normalization of coherent contrast and the semantics of synchronization. 1997 , 20, 697-698	
1390	Binding by synchronisation: A task-dependence hypothesis. 1997 , 20, 685-686	1
1389	Word recognition in the split brain and PET studies of spatial stimulus-response compatibility support contextual integration. 1997 , 20, 690-691	
1388	Internal context and top-down processing. 1997 , 20, 691-692	1
1387	Glossing over too much. 1997 , 20, 692-692	
1386	Spatial and temporal integration of signals in foveal line orientation. 1997 , 77, 2677-84	20
1385	Feature integration in pattern perception. 1997 , 94, 11742-6	18
1384	Schizophrenia as a model of context-deficient cortical computation. 1997 , 20, 696-697	56
1383	Support for grouping-by-synchronization, the context-field, and its mechanisms, but doubt in the use of information theory by the cortex. 1997 , 20, 686-687	
1382	Principles of cortical synchronization. 1997 , 20, 689-690	21

1381 Synthesizing synchrony versus dissecting dissonance. **1997**, 20, 700-700

1380 Synchronization, binding, multiscale dynamic processing, and neuron sociology. **1997**, 20, 694-695

1379 On the computational basis of synchronized codes. **1997**, 20, 700-701

1378 Do the biological details matter?. **1997**, 20, 684-685

0

1377 Local attractor dynamics will introduce further information to synchronous neuronal fields. **1997**, 20, 701-702

4

1376 Context dependent feature groups, a proposal for object representation. **1997**, 20, 702-703

1375 Synchronizing oscillations: Coding by concurrence and by sequence. **1997**, 20, 690-690

1374 Synchronicity and its use in the brain. **1997**, 20, 695-696

6

1373 An internal teacher for neural computation. **1997**, 20, 687-688

1372 'Tis all in pieces (separate RFs and CFs), all coherence gone. **1997**, 20, 693-694

1371 The perceptual grouping criterion of colinearity is reflected by anisotropies of connections in the primary visual cortex. **1997**, 9, 1083-9

208

1370 Regularity-based Perceptual Grouping. **1997**, 13, 582-623

35

1369 Absence of contour linking in peripheral vision. **1997**, 390, 602-4

126

1368 Visual psychophysics. **1997**, 7, R209-11

1

1367 Cortical dynamics. **1997**, 422, 34-7

9

1366 Perceptual grouping measured by color assimilation: regularity versus proximity. **1997**, 97, 37-70

23

1365 Erratum: The cerebellar leucine-rich acidic nuclear protein interacts with ataxin-1. **1998**, 391, 818-818

1364 Erratum: Fear conditioning induces associative long-term potentiation in the amygdala. **1998**, 391, 818-818

3

1363	Visual synchrony affects binding and segmentation in perception. 1998 , 394, 179-82		154
1362	Recent progress in modeling neural mechanisms of form and color vision. 1998 , 16, 447-472		3
1361	Restoration and segmentation of images by using binding processes. 1998 , 29, 79-85		
1360	Attention and perceptual learning modulate contextual influences on visual perception. 1998 , 20, 1191-7		100
1359	Spatial summation in simple (Fourier) and complex (non-Fourier) texture channels. <i>Vision Research</i> , 1998 , 38, 231-57	2.1	84
1358	Lines and Gabor functions compared as spatial visual stimuli. <i>Vision Research</i> , 1998 , 38, 487-91	2.1	24
1357	Extraction of perceptually salient contours by striate cortical networks. <i>Vision Research</i> , 1998 , 38, 719-41	2.1	229
1356	Contour integration in anisometric amblyopia. <i>Vision Research</i> , 1998 , 38, 889-94	2.1	40
1355	Orientation masks 3-Gabor alignment performance. <i>Vision Research</i> , 1998 , 38, 827-40	2.1	21
1354	Constraints on long range interactions mediating contour detection. <i>Vision Research</i> , 1998 , 38, 865-79	2.1	105
1353	Medial-point description of shape: a representation for action coding and its psychophysical correlates. <i>Vision Research</i> , 1998 , 38, 2323-33	2.1	84
1352	The role of "contrast enhancement" in the detection and appearance of visual contours. <i>Vision Research</i> , 1998 , 38, 783-7	2.1	61
1351	Integration of local orientation in strabismic amblyopia. <i>Vision Research</i> , 1998 , 38, 775-81	2.1	33
1350	Motion analysis by feature tracking. <i>Vision Research</i> , 1998 , 38, 3633-53	2.1	36
1349	Detection and recognition of radial frequency patterns. <i>Vision Research</i> , 1998 , 38, 3555-68	2.1	246
1348	Effects of spatial configuration on contrast detection. <i>Vision Research</i> , 1998 , 38, 3541-53	2.1	90
1347	Detection of global structure in Glass patterns: implications for form vision. <i>Vision Research</i> , 1998 , 38, 2933-47	2.1	245
1346	A neural model of contour integration in the primary visual cortex. 1998 , 10, 903-40		299

1345	Spatial-frequency tuning of visual contour integration. 1998 , 15, 1486-99	56
1344	Relationship between facilitation at threshold and suprathreshold contour integration. 1998 , 15, 2046-51	66
1343	Contour continuity in region based image segmentation. <i>Lecture Notes in Computer Science</i> , 1998 , 544-559	46
1342	Illusory volumes from conformation. 1998 , 27, 977-92	31
1341	The warped geometry of visual space near a line assessed using a hyperacuity displacement task. 1998 , 11, 401-19	5
1340	Long-range twinkle induction: an achromatic rebound effect in the magnocellular processing system?. 1998 , 27, 203-14	17
1339	Amodal completion in the absence of image tangent discontinuities. 1998 , 27, 455-64	33
1338	Asymmetric suppression outside the classical receptive field of the visual cortex. 1999 , 19, 10536-53	198
1337	Progress and paradigm shifts in spatial vision over the 20 years of ECVF. 1999 , 28, 1443-59	8
1336	Dynamic characteristics of spatial mechanisms coding contour structures. 1999 , 12, 129-42	23
1335	The effect of contour closure on shape perception. 1999 , 12, 227-38	20
1334	Contrast sensitivity and appearance in briefly presented illusory figures. 1999 , 12, 329-44	3
1333	Functional architecture of long-range perceptual interactions. 1999 , 12, 143-62	133
1332	On the detection of salient contours. 1999 , 12, 211-25	82
1331	Texture segregation in chromatic element-arrangement patterns. 1999 , 12, 421-59	4
1330	Perceptual segmentation and apparent tilt: psychophysical and computational analyses of neural grouping in tilt illusion.	
1329	Spatial pattern summation is phase-insensitive in the fovea but not in the periphery. 1999 , 12, 267-85	30
1328	Spatial interactions in simple and combined-feature visual search. 1999 , 12, 467-83	8

1327	Contour integration and scale combination processes in visual edge detection. 1999 , 12, 309-27	30
1326	A model of human pattern perception: association fields for adaptive spatial filters. 1999 , 12, 363-94	6
1325	Contextual influences in V1 as a basis for pop out and asymmetry in visual search. 1999 , 96, 10530-5	129
1324	Journey toward computer-aided diagnosis: role of image texture analysis. 1999 , 213, 317-20	174
1323	Dynamics of spatial summation in primary visual cortex of alert monkeys. 1999 , 96, 12073-8	245
1322	Late maturation of visual spatial integration in humans. 1999 , 96, 12204-9	239
1321	Topography of contextual modulations mediated by short-range interactions in primary visual cortex. 1999 , 399, 655-61	277
1320	Completing visual contours: the relationship between relatability and minimizing inflections. 1999 , 61, 943-51	99
1319	Global perceptual processing in problem solving: the case of the traveling salesperson. 1999 , 61, 1227-38	33
1318	A Comparison of Measures for Detecting Natural Shapes in Cluttered Backgrounds. 1999 , 34, 81-96	50
1317	Why a good curve is not hard to find. 1999 , 24, 1-3	1
1316	Recurrent V1-V2 interaction in early visual boundary processing. 1999 , 81, 425-44	75
1315	Synchronous change and perception of object unity: evidence from adults and infants. 1999 , 71, 257-88	45
1314	Psychophysical determination of the spatial connectivity function in a model of contour salience. <i>Neurocomputing</i> , 1999 , 26-27, 823-830	5-4 1
1313	Neural mechanisms underlying amblyopia. 1999 , 9, 480-6	160
1312	The Linkage of Visual Motion Signals. 1999 , 6, 431-460	13
1311	A New Pharmacological Tool to Investigate Integration Processes. 1999 , 6, 267-297	23
1310	An Introduction to "The Neuroscience of Perceptual Integration". 1999 , 6, 225-230	

1309	Neural Mechanisms of Visual Feature Binding Investigated with Microelectrodes and Models. 1999 , 6, 231-265		29
1308	Integration of contours: new insights. 1999 , 3, 480-486		172
1307	Attention modulates contextual influences in the primary visual cortex of alert monkeys. 1999 , 22, 593-604		367
1306	Amodal completion in texture visual evoked potentials. <i>Vision Research</i> , 1999 , 39, 31-8	2.1	24
1305	Configuration saliency revealed in short duration binocular rivalry. <i>Vision Research</i> , 1999 , 39, 271-81	2.1	39
1304	Neural recoding in human pattern vision: model and mechanisms. <i>Vision Research</i> , 1999 , 39, 231-56	2.1	63
1303	Position jitter and undersampling in pattern perception. <i>Vision Research</i> , 1999 , 39, 445-65	2.1	46
1302	Shape and contour detection. <i>Vision Research</i> , 1999 , 39, 551-7	2.1	48
1301	Long range interactions between oriented texture elements. <i>Vision Research</i> , 1999 , 39, 933-45	2.1	24
1300	Contour integration in the peripheral field. <i>Vision Research</i> , 1999 , 39, 947-59	2.1	57
1299	Orientation-based texture segmentation in strabismic amblyopia. <i>Vision Research</i> , 1999 , 39, 411-8	2.1	16
1298	Temporal constraints on the grouping of contour segments into spatially extended objects. <i>Vision Research</i> , 1999 , 39, 1509-29	2.1	29
1297	Saccade selection in visual search: evidence for spatial frequency specific between-item interactions. <i>Vision Research</i> , 1999 , 39, 1373-83	2.1	25
1296	A visual evoked potential correlate of global figure-ground segmentation. <i>Vision Research</i> , 1999 , 39, 1597-610	2.1	67
1295	The interaction of first- and second-order cues to orientation. <i>Vision Research</i> , 1999 , 39, 2867-84	2.1	48
1294	Discriminating local continuity in curved figures. <i>Vision Research</i> , 1999 , 39, 3287-99	2.1	30
1293	Shapes, surfaces and saccades. <i>Vision Research</i> , 1999 , 39, 2929-46	2.1	93
1292	Detecting collinear dots in noise. <i>Vision Research</i> , 1999 , 39, 4161-71	2.1	8

1291	The role of convexity in perceptual completion: beyond good continuation. <i>Vision Research</i> , 1999 , 39, 4244-57	2.1	60
1290	Grouping visual features during binocular rivalry. <i>Vision Research</i> , 1999 , 39, 4341-53	2.1	111
1289	Neural mechanisms of scene segmentation: recordings from the visual cortex suggest basic circuits for linking field models. 1999 , 10, 464-79		98
1288	Characterisation of the misalignment and misangulation components in the Poggendorff and corner-Poggendorff illusions. 1999 , 28, 949-64		11
1287	An examination of a temporal anisotropy in the visual integration of spatial frequencies. 1999 , 28, 1031-50		10
1286	Visual segmentation by contextual influences via intra-cortical interactions in the primary visual cortex. 1999 , 10, 187-212		71
1285	Development of an image/threshold database for designing and testing human vision models. 1999 , 3644, 542		15
1284	Cooperative and competitive spatial interactions in motion integration. 1999 , 16, 755-70		25
1283	Gestalt theory reconfigured: Max Wertheimer's anticipation of recent developments in visual neuroscience. 1999 , 28, 5-15		37
1282	Neural coding of orientation information in early vision based on colinear synchronization.		
1281	Perception of mirror symmetry reveals long-range interactions between orientation-selective cortical filters. 2000 , 11, 2133-8		20
1280	Response profiles to texture border patterns in area V1. 2000 , 17, 421-36		65
1279	Two-frequency analysis of interactions elicited by Vernier stimuli. 2000 , 17, 959-73		72
1278	Recognition model with narrow and broad extension fields. 2000 , 126, 41-56		1
1277	Functional coupling shows stronger stimulus dependency for fast oscillations than for low-frequency components in striate cortex of awake monkey. 2000 , 12, 1466-78		64
1276	Visual cortical mechanisms of perceptual grouping: interacting layers, networks, columns, and maps. <i>Neural Networks</i> , 2000 , 13, 571-88	9.1	76
1275	A stimulus density-dependent normalization mechanism for modulating the range of contour integration. <i>Neurocomputing</i> , 2000 , 32-33, 927-933	5.4	
1274	The visual cortical association field: a Gestalt concept or a psychophysiological entity?. 2000 , 94, 333-42		29

1273	Seeing beyond the receptive field in primary visual cortex. 2000 , 10, 438-43	189
1272	Form and motion coherence activate independent, but not dorsal/ventral segregated, networks in the human brain. 2000 , 10, 731-4	357
1271	Neural dynamics of 3-D surface perception: figure-ground separation and lightness perception. 2000 , 62, 1596-618	152
1270	Striate cortex in humans demonstrates the relationship between activation and variations in visual form. 2000 , 130, 221-6	14
1269	Visual responses in monkey areas V1 and V2 to three-dimensional surface configurations. 2000 , 20, 8188-98	208
1268	Spatial distribution of contextual interactions in primary visual cortex and in visual perception. 2000 , 84, 2048-62	307
1267	Modulations of primary visual cortex activity representing attentive and conscious scene perception. 2000 , 5, D232-43	33
1266	Integration of foveal orientation signals: distinct local and long-range spatial domains. 2000 , 83, 1900-11	23
1265	Modulations of primary visual cortex activity representing attentive and conscious scene perception. 2000 , 5, d232-243	17
1264	The roles of polarity and symmetry in the perceptual grouping of contour fragments. 2000 , 13, 51-66	56
1263	Contrast dependence of perceptual grouping in brain-damaged patients with visual extinction. 2000 , 13, 403-14	8
1262	Pre-attentive segmentation in the primary visual cortex. 2000 , 13, 25-50	105
1261	Collinear interactions and contour integration. 2000 , 13, 393-401	35
1260	Apparent position governs contour-element binding by the visual system. 2000 , 267, 1341-5	28
1259	Stimulus configuration determines the detectability of motion signals in noise. 2000 , 17, 1525-34	32
1258	Revisiting spatial vision: toward a unifying model. 2000 , 17, 1899-917	53
1257	Completion energies and scale. 2000 , 22, 1117-1131	49
1256	The function of dynamic grouping in vision. 2000 , 4, 447-454	118

1255	The implementation of visual routines. <i>Vision Research</i> , 2000 , 40, 1385-411	2.1	195
1254	A new test of contour integration deficits in patients with a history of disrupted binocular experience during visual development. <i>Vision Research</i> , 2000 , 40, 1775-83	2.1	95
1253	A Fraser illusion without local cues?. <i>Vision Research</i> , 2000 , 40, 873-8	2.1	11
1252	Surface integration influences depth discrimination. <i>Vision Research</i> , 2000 , 40, 1969-78	2.1	51
1251	Human development of perceptual organization. <i>Vision Research</i> , 2000 , 40, 1301-10	2.1	209
1250	Seeing circles: what limits shape perception?. <i>Vision Research</i> , 2000 , 40, 2329-39	2.1	34
1249	Saccadic localization of occluded targets. <i>Vision Research</i> , 2000 , 40, 2797-811	2.1	21
1248	Amblyopic deficits in detecting a dotted line in noise. <i>Vision Research</i> , 2000 , 40, 3297-307	2.1	21
1247	Impoverished second-order input to global linking in human vision. <i>Vision Research</i> , 2000 , 40, 3309-18	2.1	28
1246	Perception of three-dimensional shape from texture is based on patterns of oriented energy. <i>Vision Research</i> , 2000 , 40, 217-42	2.1	80
1245	Sensitivity to contrast modulation depends on carrier spatial frequency and orientation. <i>Vision Research</i> , 2000 , 40, 311-29	2.1	78
1244	Contour integration in color vision: a common process for the blue-yellow, red-green and luminance mechanisms?. <i>Vision Research</i> , 2000 , 40, 639-55	2.1	57
1243	Interactions between attention, context and learning in primary visual cortex. <i>Vision Research</i> , 2000 , 40, 1217-26	2.1	186
1242	Perceptual organization, the disorganization syndrome, and context processing in chronic schizophrenia. 2000 , 43, 11-20		203
1241	Computational design and nonlinear dynamics of a recurrent network model of the primary visual cortex. 2001 , 13, 1749-80		50
1240	Information limit on the spatial integration of local orientation signals. 2001 , 18, 1016-26		97
1239	Second-order processes in vision: introduction. 2001 , 18, 2175-8		15
1238	A note about preferred orientations at the first and second stages of complex (second-order) texture channels. 2001 , 18, 2273-81		13

1237	Separating processes in object perception. 2001 , 78, 84-97; discussion 98-106		15
1236	Image editing in the contour domain. 2001 , 23, 291-296		53
1235	The representation of erroneously perceived stimuli in the primary visual cortex. 2001 , 31, 853-63		68
1234	The neural basis of perceptual learning. 2001 , 31, 681-97		537
1233	Orientation integration in detection and discrimination of contrast-modulated patterns. <i>Vision Research</i> , 2001 , 41, 295-311	2.1	12
1232	Measurement and modeling of center-surround suppression and enhancement. <i>Vision Research</i> , 2001 , 41, 571-83	2.1	139
1231	Edge co-occurrence in natural images predicts contour grouping performance. <i>Vision Research</i> , 2001 , 41, 711-24	2.1	486
1230	Sensitivity to contrast histogram differences in synthetic wavelet-textures. <i>Vision Research</i> , 2001 , 41, 585-98	2.1	40
1229	Dynamics of contour integration. <i>Vision Research</i> , 2001 , 41, 1023-37	2.1	46
1228	Integration of local features into a global shape. <i>Vision Research</i> , 2001 , 41, 1785-90	2.1	27
1227	Contextual influences on orientation discrimination: binding local and global cues. <i>Vision Research</i> , 2001 , 41, 1915-30	2.1	27
1226	Neural synergy in visual grouping: when good continuation meets common fate. <i>Vision Research</i> , 2001 , 41, 2057-64	2.1	25
1225	Neural dynamics of motion integration and segmentation within and across apertures. <i>Vision Research</i> , 2001 , 41, 2521-53	2.1	126
1224	The spatial profile of visual attention in mental curve tracing. <i>Vision Research</i> , 2001 , 41, 2569-80	2.1	38
1223	Perception viewed as an inverse problem. <i>Vision Research</i> , 2001 , 41, 3145-61	2.1	117
1222	Snakes and ladders: the role of temporal modulation in visual contour integration. <i>Vision Research</i> , 2001 , 41, 3775-82	2.1	50
1221	A VEP study on visual processing of figural geometry. <i>Vision Research</i> , 2001 , 41, 3791-803	2.1	10
1220	Visual summation of luminance lines and illusory contours induced by pictorial, motion, and disparity cues. <i>Vision Research</i> , 2001 , 41, 3805-16	2.1	10

1219	Attention-dependent brief adaptation to contour orientation: a high-level aftereffect for convexity?. <i>Vision Research</i> , 2001 , 41, 3883-902	2.1	60
1218	Quantitative comparative evaluation of 2D vector field visualization methods.		14
1217	Three deadly sins of category learning modelers. 2001 , 24, 687-688		5
1216	Shepard's pie: The other half. 2001 , 24, 700-700		
1215	Extending Bayesian concept learning to deal with representational complexity and adaptation. 2001 , 24, 685-686		
1214	Some specifics about generalization. 2001 , 24, 762-778		10
1213	Exhuming similarity. 2001 , 24, 669-669		1
1212	Measurement theory is a poor model of the relation of kinematic geometry and perception of motion. 2001 , 24, 705-706		
1211	The archeology of internalism. 2001 , 24, 682-683		1
1210	External regularities and adaptive signal exchanges in the brain. 2001 , 24, 663-664		
1209	The internalization of physical constraints from a developmental perspective. 2001 , 24, 681-682		
1208	Interpreting screw displacement apparent motion as a self-organizing process. 2001 , 24, 668-669		1
1207	Universal internalization or pluralistic micro-theories?. 2001 , 24, 749-755		1
1206	First, we assume a spherical cow ... □ 2001 , 24, 656-657		5
1205	Which colour space(s) is Shepard talking about?. 2001 , 24, 661-662		1
1204	Natural groups of transformations underlying apparent motion and perceived object shape and color. 2001 , 24, 665-668		2
1203	Internalization of physical laws as revealed by the study of action instead of perception. 2001 , 24, 684-685		
1202	What are we talking about here?. 2001 , 24, 671-672		

1201	Local and global visual grouping: tuning for spatial frequency and contrast. <i>Journal of Vision</i> , 2001 , 1, 99-111	0.4	36
1200	Spatial coherence does not affect contrast discrimination for multiple Gabor stimuli. 2001 , 30, 1411-22		6
1199	Processing time of contour integration: the role of colour, contrast, and curvature. 2001 , 30, 833-53		27
1198	On the interference of task-irrelevant hue variation on texture segmentation. 2001 , 30, 559-69		4
1197	Is kinematic geometry an internalized regularity?. 2001 , 24, 778-778		
1196	Internalization: A metaphor we can live without. 2001 , 24, 756-757		
1195	Internalized constraints may function as an emulator. 2001 , 24, 710-711		
1194	What is internalized?. 2001 , 24, 680-681		
1193	Color constancy: A case for multiple levels and paradigms. 2001 , 24, 658-658		1
1192	Reflections on what timescale?. 2001 , 24, 698-699		
1191	If a tree falls in the forest and there is nobody around, does Chasles' theorem still apply?. 2001 , 24, 655-656		
1190	What is the probability of the Bayesian model, given the data?. 2001 , 24, 672-673		
1189	What's within? Can the internal structure of perception be derived from regularities of the external world?. 2001 , 24, 689-690		
1188	Adaptation as genetic internalization. 2001 , 24, 673-674		
1187	Regularities in motion: Apparent, real and internalized. 2001 , 24, 757-762		2
1186	Learning to internalize: A developmental perspective. 2001 , 24, 676-677		
1185	The place of Shepard in the world of perception. 2001 , 24, 669-671		1
1184	An alternate route toward a science of mind. 2001 , 24, 702-703		

1183	Universal Bayesian inference?. 2001 , 24, 662-663	3
1182	The role of statistics in perception. 2001 , 24, 748-748	1
1181	Colour perception may optimize biologically relevant surface discriminations [rather than type-I constancy]. 2001 , 24, 658-659	
1180	Evaluating spatial transformation procedures as universals. 2001 , 24, 697-698	
1179	Representation of basic kinds: Not a case of evolutionary internalization of universal regularities. 2001 , 24, 686-687	
1178	Functional resemblance and the internalization of rules. 2001 , 24, 695-696	
1177	Beyond an occult kinematics of the mind. 2001 , 24, 692-695	0
1176	Universal generalization and universal inter-item confusability. 2001 , 24, 659-660	2
1175	Probabilistic functionalism: A unifying paradigm for the cognitive sciences. 2001 , 24, 690-692	7
1174	Regularities, context, and neural coding: Are universals reflected in the experienced world?. 2001 , 24, 701-702	3
1173	Reliance on constraints means detection of information. 2001 , 24, 679-680	6
1172	Neural spaces: A general framework for the understanding of cognition?. 2001 , 24, 664-665	6
1171	Dynamics, not kinematics, is an adequate basis for perception. 2001 , 24, 709-710	3
1170	Tribute to an ideal exemplar of scientist and person. 2001 , 24, 688-689	
1169	Context effects equally applicable in generalization and similarity. 2001 , 24, 699-700	
1168	Toward a generative transformational approach to visual perception. 2001 , 24, 707-708	1
1167	What's in a structure?. 2001 , 24, 708-709	
1166	Colour generalisation by domestic chicks. 2001 , 24, 654-654	4

1165	Minimization of modal contours: An instance of an evolutionary internalized geometric regularity?. 2001 , 24, 706-707	6
1164	Generality, mathematical elegance, and evolution of numerical/object identity. 2001 , 24, 654-655	2
1163	Internalized constraints in the representation of spatial layout. 2001 , 24, 677-678	2
1162	The mathematics of symmetry does not provide an appropriate model for the human understanding of elementary motions. 2001 , 24, 696-697	1
1161	Shepard's mirrors or Simon's scissors?. 2001 , 24, 704-705	17
1160	Shepard's Response On the possibility of universal mental laws: A reply to my critics. 2001 , 24, 712-148	4
1159	Processing of second-order stimuli in the visual cortex. 2001 , 134, 171-91	63
1158	Visual inter-attribute contour completion. 2001 , 30, 855-65	7
1157	Geometric and Neural Models of Object Perception. 2001 , 130, 183-245	20
1156	Varieties of Grouping and Its Role in Determining Surface Layout. 2001 , 130, 247-264	2
1155	Amodal Completion: A Case Study In Grouping. 2001 , 265-293	13
1154	Perceptual Organization as Generic Object Recognition. 2001 , 130, 295-329	4
1153	Computational Neural Models of Spatial Integration in Perceptual Grouping. 2001 , 130, 353-400	19
1152	Gehirn und Gestalt. 2001 , 9, 122-143	3
1151	A neural model of how horizontal and interlaminar connections of visual cortex develop into adult circuits that carry out perceptual grouping and learning. 2001 , 11, 37-58	164
1150	The role of junctions in surface completion and contour matching. 2001 , 30, 339-66	93
1149	The effects of temporal synchrony on the perceived organization of elements in spatially symmetric and asymmetric grids. 2001 , 8, 637-654	11
1148	Generalization and Tinbergen's four whys. 2001 , 24, 660-661	4

1147	A Primer on Binocular Rivalry, Including Current Controversies. 2001 , 2, 5-38		473
1146	Bayesian contour integration. 2001 , 63, 1171-82		66
1145	Form constraints in motion binding. 2001 , 4, 745-51		74
1144	Natural signal statistics and sensory gain control. 2001 , 4, 819-25		560
1143	Dynamics of travelling waves in visual perception. 2001 , 412, 907-10		225
1142	Enhanced sensitivity for peripherally-presented collinearly-aligned stimulus elements: contour detection or spatial summation?. 2001 , 84, 354-360		4
1141	Segmentation, attention and phenomenal visual objects. 2001 , 80, 61-95		200
1140	Feed-forward contour integration in primary visual cortex based on asynchronous spike propagation. <i>Neurocomputing</i> , 2001 , 38-40, 1003-1009	5-4	32
1139	Group theory and geometric psychology. 2001 , 24, 674-676		
1138	On a common circle: Natural scenes and Gestalt rules. 2001 , 98, 1935-1940		194
1137	Detection of a gabor patch superimposed on an illusory contour. 2001 , 15, 1-23		7
1136	The evolution of color vision. 2001 , 24, 671-671		
1135	Sphericity in cognition. 2001 , 24, 703-704		2
1134	Emergent Neural Computational Architectures Based on Neuroscience. <i>Lecture Notes in Computer Science</i> , 2001 ,	0.9	7
1133	The Visual Representation of Information Structures. <i>Lecture Notes in Computer Science</i> , 2001 , 1-4	0.9	3
1132	Context-sensitive binding by the laminar circuits of V1 and V2: A unified model of perceptual grouping, attention, and orientation contrast. 2001 , 8, 431-466		151
1131	A competitive-layer model for feature binding and sensory segmentation. 2001 , 13, 357-87		72
1130	Depth perception from pairs of overlapping cues in pictorial displays. 2002 , 15, 255-76		25

1129	Cognitive Measurements of Graph Aesthetics. 2002 , 1, 103-110		221
1128	A Bayesian framework for sensory adaptation. 2002 , 14, 543-59		23
1127	Sensory processing in human amblyopia: snakes and ladders. 2002 , 19-42		4
1126	Perceptual grouping in grey-level images by combination of Gabor filtering and tensor voting.		5
1125	Static and dynamic views of visual cortical organization. 2002 , 136, 389-408		9
1124	Global contour saliency and local colinear interactions. 2002 , 88, 2846-56		188
1123	Role of synchrony in contour binding: some transient doubts sustained. 2002 , 19, 678-86		25
1122	Contextual influences on visual processing. 2002 , 25, 339-79		293
1121	Rules for combining the outputs of local motion detectors to define simple contours. <i>Vision Research</i> , 2002 , 42, 653-9	2.1	33
1120	Role of onset asynchrony in contour integration. <i>Vision Research</i> , 2002 , 42, 1-9	2.1	25
1119	A multi-layer sparse coding network learns contour coding from natural images. <i>Vision Research</i> , 2002 , 42, 1593-605	2.1	101
1118	Perceptual grouping in the Ternus display: evidence for an 'association field' in apparent motion. <i>Vision Research</i> , 2002 , 42, 1005-16	2.1	34
1117	Binocular integration of partially occluded surfaces. <i>Vision Research</i> , 2002 , 42, 1225-35	2.1	21
1116	Temporal phase discrimination depends critically on separation. <i>Vision Research</i> , 2002 , 42, 2063-71	2.1	17
1115	The role of complex cells in object recognition. <i>Vision Research</i> , 2002 , 42, 2547-54	2.1	38
1114	Lateral interactions in amblyopia. <i>Vision Research</i> , 2002 , 42, 2471-8	2.1	22
1113	Interpolating sampled contours in 3-D: analyses of variability and bias. <i>Vision Research</i> , 2002 , 42, 2431-46.1		15
1112	Visual binding of luminance, motion and disparity edges. <i>Vision Research</i> , 2002 , 42, 2577-91	2.1	5

1111	Surfing a spike wave down the ventral stream. <i>Vision Research</i> , 2002 , 42, 2593-615	2.1	190
1110	Orientation dependent modulation of apparent speed: a model based on the dynamics of feed-forward and horizontal connectivity in V1 cortex. <i>Vision Research</i> , 2002 , 42, 2781-97	2.1	52
1109	Orientation dependent modulation of apparent speed: psychophysical evidence. <i>Vision Research</i> , 2002 , 42, 2757-72	2.1	43
1108	Overlapping features can be parsed on the basis of rapid temporal cues that produce stable emergent percepts. <i>Vision Research</i> , 2002 , 42, 2669-92	2.1	17
1107	Spatiotemporal interactions in detection of texture orientation modulations. <i>Vision Research</i> , 2002 , 42, 2829-41	2.1	10
1106	Perceptual completion across the vertical meridian and the role of early visual cortex. 2002 , 33, 805-13		72
1105	Lateral connectivity and contextual interactions in macaque primary visual cortex. 2002 , 36, 739-50		371
1104	Orientation Selectivity and Its Modulation by Local and Long-Range Connections in Visual Cortex. 2002 , 471-ix		5
1103	Detection and discrimination of relative spatial phase by V1 neurons. 2002 , 22, 6129-57		46
1102	Lateral modulation of contrast discrimination: flanker orientation effects. <i>Journal of Vision</i> , 2002 , 2, 520-30		36
1101	Ecological statistics of Gestalt laws for the perceptual organization of contours. <i>Journal of Vision</i> , 2002 , 2, 324-53	0.4	187
1100	An expectation maximisation framework for segmentation and grouping. 2002 , 20, 725-738		8
1099	Sparse coding of natural contours. <i>Neurocomputing</i> , 2002 , 44-46, 459-466	5.4	2
1098	GABA-inactivation attenuates colinear facilitation in cat primary visual cortex. 2002 , 143, 295-302		42
1097	Contour integration in striate cortex. Classic cell responses or cooperative selection?. 2002 , 147, 145-52		46
1096	Balancing visual weights. 2002 , 22, 416-9		1
1095	Visual competition. 2002 , 3, 13-21		1143
1094	Integration of speed signals in the direction of motion. 2002 , 64, 996-1007		9

1093	Neurogeometry of V1 and Kanizsa Contours. 2002 , 13, 347-363		6
1092	A gradual spread of attention during mental curve tracing. 2003 , 65, 1136-44		80
1091	The influence of contrast and spatial factors in the perceived shape of boundaries. 2003 , 65, 1252-72		17
1090	Perceptual organization of local elements into global shapes in the human visual cortex. 2003 , 13, 342-9		207
1089	Assessing binocular cooperation with patchwork stimuli. 2003 , 31, 357-61		
1088	Cortical connections and early visual function: intra- and inter-columnar processing. 2003 , 97, 191-208		18
1087	Geometry and the visual brain. 2003 , 97, 99-103		2
1086	Contour integration and cortical processing. 2003 , 97, 105-19		102
1085	From neural oscillations to variational problems in the visual cortex. 2003 , 97, 379-85		12
1084	Computations in the early visual cortex. 2003 , 97, 121-39		40
1083	The neurogeometry of pinwheels as a sub-Riemannian contact structure. 2003 , 97, 265-309		68
1082	Neurogeometry and entoptic visions of the functional architecture of the brain. 2003 , 97, 87-92		14
1081	V1 mechanisms and some figure-ground and border effects. 2003 , 97, 503-15		51
1080	The "silent" surround of V1 receptive fields: theory and experiments. 2003 , 97, 453-74		149
1079	Motion and edge sensitivity in perception of object unity. 2003 , 46, 31-64		29
1078	Laminar cortical dynamics of visual form perception. <i>Neural Networks</i> , 2003 , 16, 925-31	9.1	8
1077	Interpolation processes in the visual perception of objects. <i>Neural Networks</i> , 2003 , 16, 915-23	9.1	29
1076	Sensors and Sensing in Biology and Engineering. 2003 ,		26

1075	Agnosia for global patterns: When the cross-talk between grouping and visual selective attention fails. 2003 , 20, 3-25		15
1074	Collinear contextual suppression. <i>Vision Research</i> , 2003 , 43, 2915-25	2.1	12
1073	Integration of first- and second-order orientation. 2003 , 20, 974-86		10
1072	What makes viewpoint-invariant properties perceptually salient?. 2003 , 20, 1304-20		11
1071	Modeling the integration of motion signals across space. 2003 , 20, 1472-89		6
1070	The detection of direction-defined and speed-defined spatial contours: one mechanism or two?. <i>Vision Research</i> , 2003 , 43, 597-606	2.1	8
1069	Local and global contributions to shape discrimination. <i>Vision Research</i> , 2003 , 43, 519-30	2.1	110
1068	"Phase capture" in the perception of interpolated shape: cue combination and the influence function. <i>Vision Research</i> , 2003 , 43, 2233-43	2.1	7
1067	Grouping local directional signals into moving contours. <i>Vision Research</i> , 2003 , 43, 2141-53	2.1	17
1066	Orientation opponency in human vision revealed by energy-frequency analysis. <i>Vision Research</i> , 2003 , 43, 2197-205	2.1	12
1065	The role of local grouping and global orientation contrast in perception of orientation-modulated textures. <i>Vision Research</i> , 2003 , 43, 2315-31	2.1	3
1064	Contour integration in peripheral vision reduces gradually with eccentricity. <i>Vision Research</i> , 2003 , 43, 2427-37	2.1	34
1063	Sketches with curvature: the curve indicator random field and Markov processes. 2003 , 25, 387-400		37
1062	Integration of local features into global shapes: monkey and human fMRI studies. 2003 , 37, 333-46		238
1061	Visual recognition of biological motion is impaired in children with autism. 2003 , 14, 151-7		389
1060	A survey of recent developments in theoretical neuroscience and machine vision.		2
1059	Development of contour integration in macaque monkeys. 2003 , 20, 567-75		45
1058	Convergence of biological and psychological perspectives on cognitive coordination in schizophrenia. 2003 , 26, 65-82; discussion 82-137		404

1057	Contour interpolation by vector-field combination. <i>Journal of Vision</i> , 2003 , 3, 281-303	0.4	52
1056	How long range is contour integration in human color vision?. 2003 , 20, 51-64		41
1055	Levels of Perception. 2003 ,		2
1054	Perceptual processes that create objects from fragments.		
1053	Learning the Gestalt rule of collinearity from object motion. 2003 , 15, 1865-96		17
1052	Is there a pop-out of exclusively binocular (cyclopean) contours and regions?. 2003 , 32, 1441-50		
1051	Boundary completion in illusory contours: interpolation or extrapolation?. 2003 , 32, 985-99		22
1050	Spatial integration in Glass patterns. 2003 , 32, 1211-20		15
1049	Spatiotemporal patterns of excitation and inhibition evoked by the horizontal network in layer 2/3 of ferret visual cortex. 2003 , 89, 488-500		43
1048	How does the cerebral cortex work? Development, learning, attention, and 3-D vision by laminar circuits of visual cortex. 2003 , 2, 47-76		83
1047	Temporal variations in visual completion: a reflection of spatial limits?. 2003 , 29, 1211-27		30
1046	Recurrent corticocortical interactions in neural disease. 2003 , 60, 178-84		13
1045	Spatial integration in perception and cognition: An empirical approach to the pathophysiology of schizophrenia. 2003 , 26, 86-87		
1044	A wide-spectrum coordination model of schizophrenia. 2003 , 26, 84-85		
1043	NMDA synapses can bias competition between object representations and mediate attentional selection. 2003 , 26, 100-101		2
1042	No blind schizophrenics: Are NMDA-receptor dynamics involved?. 2003 , 26, 103-104		7
1041	Reconciling schizophrenic deficits in top-down and bottom-up processes: Not yet. 2003 , 26, 96-96		1
1040	Cognitive coordination and its neurobiological bases: A new continent to explore. 2003 , 26, 110-137		5

1039 Single Cells to Cellular Networks. **2003**, 193-210

1038 References. **2003**, 475-519

1037 Emergent properties of layer 2/3 neurons reflect the collinear arrangement of horizontal connections in tree shrew visual cortex. **2003**, 23, 2947-60 96

1036 The ketamine model for schizophrenia. **2003**, 26, 82-83 76

1035 Is sensory gating a form of cognitive coordination?. **2003**, 26, 94-95

1034 Context, connection, and coordination: The need to switch. **2003**, 26, 97-97

1033 Inferring contextual field interactions from scalp EEG. **2003**, 26, 99-100

1032 Mechanisms of disrupted language comprehension in schizophrenia. **2003**, 26, 87-88 4

1031 Linking brain to mind in normal behavior and schizophrenia. **2003**, 26, 90-90 1

1030 Combating fuzziness with computational modeling. **2003**, 26, 107-108

1029 Cortical connectivity in high-frequency beta-rhythm in schizophrenics with positive and negative symptoms. **2003**, 26, 105-106 1

1028 High-frequency synchronisation in schizophrenia: Too much or too little?. **2003**, 26, 109-110 4

1027 Theory of mind in schizophrenia: Damaged module or deficit in cognitive coordination?. **2003**, 26, 95-96 7

1026 Context rules. **2003**, 26, 85-85 6

1025 Setting domain boundaries for convergence of biological and psychological perspectives on cognitive coordination in schizophrenia. **2003**, 26, 88-89 4

1024 Where the rubber meets the road: The importance of implementation. **2003**, 26, 83-84

1023 Why do schizophrenic patients hallucinate?. **2003**, 26, 101-103

1022 Synchronous dynamics for cognitive coordination: But how?. **2003**, 26, 106-107

1021	Guarding against over-inclusive notions of "context" – Psycholinguistic and electrophysiological studies of specific context functions in schizophrenia. 2003 , 26, 108-109		3
1020	Cognitive coordination deficits: A necessary but not sufficient factor in the development of schizophrenia. 2003 , 26, 89-90		
1019	Peeling the onion: NMDA dysfunction as a unifying model in schizophrenia. 2003 , 26, 93-94		10
1018	Phenomenology, context, and self-experience in schizophrenia. 2003 , 26, 104-105		2
1017	Schizophrenic cognition: Taken out of context?. 2003 , 26, 91-91		2
1016	Schizophrenia: Putting context in context. 2003 , 26, 98-99		14
1015	Sensitivity for global shape detection. <i>Journal of Vision</i> , 2003 , 3, 616-24	0.4	35
1014	NMDA-receptor hypofunction versus excessive synaptic elimination as models of schizophrenia. 2003 , 26, 92-92		
1013	Recovery of contour integration in relation to LogMAR visual acuity during treatment of amblyopia in children. 2004 , 45, 4016-22		8
1012	Gestalt Psychology: The Forgotten Paradigm in Abnormal Psychology. 2004 , 117, 259		16
1011	Shape saliency modulates contextual processing in the human lateral occipital complex. 2004 , 16, 794-804		50
1010	Neural mechanisms for the robust representation of junctions. 2004 , 16, 1013-37		27
1009	Artificial scotoma-induced perceptual distortions are orientation dependent and short lived. 2004 , 21, 79-87		12
1008	Area summation and masking. <i>Journal of Vision</i> , 2004 , 4, 930-43	0.4	25
1007	Development of perceptual completion in infancy. 2004 , 15, 769-75		44
1006	Geometrical computations explain projection patterns of long-range horizontal connections in visual cortex. 2004 , 16, 445-76		83
1005	A continuum-field model of visual cortex stimulus-driven behaviour: emergent oscillations and coherence fields. <i>Neurocomputing</i> , 2004 , 57, 411-433	5.4	2
1004	How ideal do macaque monkeys integrate contours?. <i>Neurocomputing</i> , 2004 , 58-60, 971-977	5.4	5

1003	Flexibility in spatial and non-spatial feature grouping: an event-related potentials study. 2004 , 22, 13-25		13
1002	Spatiotemporal encoding of a bar's direction of motion by neural ensembles in cat primary visual cortex. 2004 , 32, 1265-75		7
1001	Negative and positive congruence effects in letters and shapes. 2004 , 66, 908-25		48
1000	The world from a cat's perspective--statistics of natural videos. 2004 , 90, 41-50		116
999	Contour integration and segmentation with self-organized lateral connections. 2004 , 90, 75-88		24
998	Contour and boundary detection improved by surround suppression of texture edges. 2004 , 22, 609-622		171
997	Surface segregation driven by orientation-defined junctions. 2004 , 158, 391-5		3
996	Massively parallel networks for edge localization and contour integration--adaptable relaxation approach. <i>Neural Networks</i> , 2004 , 17, 411-25	9.1	4
995	A model of contextual interactions and contour detection in primary visual cortex. <i>Neural Networks</i> , 2004 , 17, 719-35	9.1	86
994	Hue geometry and horizontal connections. <i>Neural Networks</i> , 2004 , 17, 753-71	9.1	13
993	Fast synchronization of perceptual grouping in laminar visual cortical circuits. <i>Neural Networks</i> , 2004 , 17, 707-18	9.1	27
992	Maplets for correspondence-based object recognition. <i>Neural Networks</i> , 2004 , 17, 1311-26	9.1	14
991	Evidence for impaired visual context processing in schizotypy with thought disorder. 2004 , 68, 249-60		57
990	Good continuation with kinetic edges. <i>Vision Research</i> , 2004 ,	2.1	
989	Glass pattern studies of local and global processing of contrast variations. <i>Vision Research</i> , 2004 , 44, 2629-41	2.1	41
988	Sensitivity to curvatures in orientation-based texture segmentation. <i>Vision Research</i> , 2004 , 44, 257-77	2.1	31
987	The representation of global spatial structure in amblyopia. <i>Vision Research</i> , 2004 , 44, 523-33	2.1	44
986	Visual working memory for image statistics. <i>Vision Research</i> , 2004 , 44, 541-56	2.1	23

985	Interpolating sampled contours in 3D: perturbation analyses. <i>Vision Research</i> , 2004 , 44, 815-32	2.1	9
984	Visual search in clutter. <i>Vision Research</i> , 2004 , 44, 1217-25	2.1	17
983	A laminar cortical model for 3D perception of slanted and curved surfaces and of 2D images: development, attention, and bistability. <i>Vision Research</i> , 2004 , 44, 1147-87	2.1	69
982	The influence of motion-defined form on the perception of spatially-defined form. <i>Vision Research</i> , 2004 , 44, 1065-77	2.1	17
981	Contour interpolation revealed by a dot localization paradigm. <i>Vision Research</i> , 2004 , 44, 1799-815	2.1	50
980	Investigating local network interactions underlying first- and second-order processing. <i>Vision Research</i> , 2004 , 44, 1787-97	2.1	32
979	Good continuation with kinetic edges. <i>Vision Research</i> , 2004 , 44, 2101-8	2.1	1
978	Contour grouping: closure effects are explained by good continuation and proximity. <i>Vision Research</i> , 2004 , 44, 2769-77	2.1	52
977	Detection of contour continuity and closure in three-month-olds. <i>Vision Research</i> , 2004 , 44, 2981-8	2.1	24
976	Combining cues in contour orientation discrimination. <i>Vision Research</i> , 2004 , 44, 3081-90	2.1	5
975	Perceptual learning modulates electrophysiological and psychophysical response to visual texture segmentation in humans. 2004 , 371, 18-23		25
974	Neuronal Oscillations in the Visual Cortex: γ -Convergence to the Riemannian Mumford-Shah Functional. 2004 , 35, 1394-1419		9
973	55.2: Bit-Depth-Extension: Overcoming LCD-Driver Limitations by Using Models of the Equivalent Input Noise of the Visual System. 2004 , 35, 1470		2
972	Configuration-specific attentional modulation of flanker- -target lateral interactions. 2004 , 33, 181-94		25
971	Early computation of contour curvature and part structure: evidence from holes. 2004 , 33, 35-48		35
970	Amodal completion as reflected by gaze durations. 2004 , 33, 1185-200		8
969	Connect the dots: how many random points can a regular curve pass through?. 2005 , 37, 571-603		9
968	Perceptual organization in schizophrenia spectrum disorders: empirical research and theoretical implications. 2005 , 131, 618-632		189

967	Information along contours and object boundaries. 2005 , 112, 243-52		151
966	Object interpolation in three dimensions. 2005 , 112, 586-609		52
965	Task-dependent modulation of target-flanker lateral interactions in vision. 2005 , 67, 624-37		7
964	Perceptual grouping in Gabor lattices: proximity and alignment. 2005 , 67, 1446-59		49
963	Efficient visual search without top-down or bottom-up guidance. 2005 , 67, 239-53		110
962	Robust integration and detection of noisy contours in a probabilistic neural model. <i>Neurocomputing</i> , 2005 , 65-66, 211-217	5-4	3
961	Crossing the midline: reducing attentional deficits via interhemispheric interactions. 2005 , 43, 572-82		24
960	Learning prosthetic vision: a virtual-reality study. 2005 , 13, 249-55		19
959	Computational modeling and exploration of contour integration for visual saliency. 2005 , 93, 188-212		26
958	Dependence of visual cell properties on intracortical synapses among hypercolumns: analysis by a computer model. 2005 , 19, 291-310		1
957	Motion-Driven Segmentation by Competitive Neural Processing. 2005 , 22, 125-147		8
956	A comparison of adaptive beamforming implementations for wideband scenarios. 2005 , 28		0
955	Development of sensitivity to texture and contour information in the human infant. 2005 , 17, 569-79		35
954	3-d interpolation in object perception: evidence from an objective performance paradigm. 2005 , 31, 558-83		13
953	Stimulus-dependent correlated firing in directionally selective retinal ganglion cells. 2005 , 22, 769-87		20
952	Are faces processed like words? A diagnostic test for recognition by parts. <i>Journal of Vision</i> , 2005 , 5, 58-70		146
951	Visual extrapolation of contour geometry. 2005 , 102, 939-44		55
950	Experience-expectant development of contour integration mechanisms in human visual cortex. <i>Journal of Vision</i> , 2005 , 5, 116-30	0.4	11

949	Observations on associative grouping (in honor of Jacob Beck). 2005 , 18, 147-57		4
948	Enhanced and diminished visuo-spatial information processing in autism depends on stimulus complexity. 2005 , 128, 2430-41		399
947	Sparse Gabor wavelets by local operations. 2005 ,		2
946	Spatiotemporal characteristics of form analysis in the human visual cortex revealed by rapid event-related fMRI adaptation. 2005 , 28, 440-52		72
945	Dynamics of cross- and iso-surround facilitation suggest distinct mechanisms. <i>Vision Research</i> , 2005 , 45, 3060-73	2.1	8
944	Stability and change. 2005 , 12, 639-690		5
943	Integration, segregation, and binocular combination. 2005 , 22, 38-48		10
942	Dynamic competition between contour integration and contour segmentation probed with moving stimuli. <i>Vision Research</i> , 2005 , 45, 103-16	2.1	12
941	Rapid contour integration in macaque monkeys. <i>Vision Research</i> , 2005 , 45, 291-300	2.1	38
940	Interaction of luminance and higher-order statistics in texture discrimination. <i>Vision Research</i> , 2005 , 45, 311-28	2.1	30
939	Long-range spatial integration across contrast signs: a probabilistic mechanism?. <i>Vision Research</i> , 2005 , 45, 275-84	2.1	5
938	The influences of visibility and anomalous integration processes on the perception of global spatial form versus motion in human amblyopia. <i>Vision Research</i> , 2005 , 45, 449-60	2.1	96
937	Contributions of local orientation and position features to shape integration. <i>Vision Research</i> , 2005 , 45, 1375-83	2.1	31
936	Attention modulates psychophysical and electrophysiological response to visual texture segmentation in humans. <i>Vision Research</i> , 2005 , 45, 2384-96	2.1	33
935	Dynamics of collinear contrast facilitation are consistent with long-range horizontal striate transmission. <i>Vision Research</i> , 2005 , 45, 2728-39	2.1	47
934	Grouping local orientation and direction signals to extract spatial contours: empirical tests of "association field" models of contour integration. <i>Vision Research</i> , 2005 , 45, 2511-22	2.1	49
933	Vagaries of visual perception in autism. 2005 , 48, 497-507		525
932	How close are we to understanding v1?. 2005 , 17, 1665-99		351

931	The course and clinical correlates of dysfunctions in visual perceptual organization in schizophrenia during the remission of psychotic symptoms. 2005 , 75, 183-92		74
930	Impaired visual recognition of biological motion in schizophrenia. 2005 , 77, 299-307		92
929	Perceptual filling-in: More than the eye can see. 2006 , 154, 227-45		22
928	Synchronous activity in cat visual cortex encodes collinear and cocircular contours. 2006 , 95, 2602-16		57
927	Robust point matching for nonrigid shapes by preserving local neighborhood structures. 2006 , 28, 643-9		207
926	From perceptive fields to Gestalt. 2006 , 155, 67-92		13
925	It looks easy! Heuristics for combinatorial optimization problems. 2006 , 59, 783-800		8
924	A joint signal processing and cryptographic approach to multimedia encryption. 2006 , 15, 2061-75		87
923	Perceptual grouping in disorganized schizophrenia. 2006 , 145, 105-17		118
922	Contour saliency in primary visual cortex. 2006 , 50, 951-62		229
921	Adaptive multiscale detection of filamentary structures in a background of uniform random points. 2006 , 34, 326		33
920	The effect of spatial configuration on surround suppression of contrast sensitivity. <i>Journal of Vision</i> , 2006 , 6, 224-38	0.4	62
919	A theory of dynamic occluded and illusory object perception. <i>Journal of Experimental Psychology: General</i> , 2006 , 135, 513-41	4.7	42
918	On the surprising salience of curvature in grouping by proximity. 2006 , 32, 226-234		11
917	Modulation of V1 activity by shape: image-statistics or shape-based perception?. 2006 , 95, 3654-64		58
916	Perception, Gestalt Principles of. 2006 ,		0
915	Partial shape similarity of contours is needed for object recognition. 2006 , 6065, 354		
914	A Survey of Architecture and Function of the Primary Visual Cortex (V1). 2006 , 2007, 1		5

913	Effects of the orientation of moving objects on the perception of streaming/bouncing motion displays. 2006 , 68, 750-8		31
912	Surface geometry influences the shape of illusory contours. 2006 , 123, 20-40		31
911	Demonstrations of decreased sensitivity to complex motion information not enough to propose an autism-specific neural etiology. 2006 , 36, 55-64		29
910	A Cortical Based Model of Perceptual Completion in the Roto-Translation Space. 2006 , 24, 307-326		186
909	Enhancement of perceptually salient contours using a parallel artificial cortical network. 2006 , 94, 192-214		9
908	Face perception: an integrative review of the role of spatial frequencies. 2006 , 70, 273-92		75
907	The spatial frequency and orientation selectivity of the mechanisms that extract motion-defined contours. <i>Vision Research</i> , 2006 , 46, 568-78	2.1	3
906	Contour interactions between pairs of Gabors engaged in binocular rivalry reveal a map of the association field. <i>Vision Research</i> , 2006 , 46, 1473-87	2.1	23
905	Spatial and motion integration in children with autism. <i>Vision Research</i> , 2006 , 46, 1242-52	2.1	72
904	Visual interpolation is not scale invariant. <i>Vision Research</i> , 2006 , 46, 3142-59	2.1	23
903	Flank facilitation and contour integration: different sites. <i>Vision Research</i> , 2006 , 46, 3699-706	2.1	48
902	Cue combination in a combined feature contrast detection and figure identification task. <i>Vision Research</i> , 2006 , 46, 3977-93	2.1	17
901	The global processing deficit in amblyopia involves noise segregation. <i>Vision Research</i> , 2006 , 46, 4104-17.2.1	2.1	48
900	Development of a world-wide web based contour integration test. 2006 , 22, 971-980		28
899	Segmentation of object outlines into parts: a large-scale integrative study. 2006 , 99, 275-325		88
898	The electrophysiological correlate of contour integration is modulated by task demands. 2006 , 1114, 98-112		29
897	Spatial patterns of excitation and inhibition evoked by lateral connectivity in layer 2/3 of rat barrel cortex. 2006 , 16, 1202-11		9
896	Bayesian inference of form and shape. 2006 , 154, 265-70		6

895	A neural model of surface perception: lightness, anchoring, and filling-in. 2006 , 19, 263-321		72
894	Visual saliency and texture segregation without feature gradient. 2006 , 103, 15704-9		21
893	Reduced top-down influences in contour detection in schizophrenia. 2006 , 11, 112-32		53
892	Contribution of bottom-up and top-down motion processes to perceived position. 2006 , 32, 1380-97		17
891	Illusory boundary interpolation from local association field. 2006 , 19, 581-603		4
890	Saliency and Segregation Without Feature Gradient: New Insights for Segmentation from Orientation-Defined Textures.		
889	Contour extrapolation using probabilistic cue combination.		2
888	Consistency of location and gradient judgments of visually-interpolated contours.		2
887	Contour Detection by Multiresolution Surround Inhibition. 2006 ,		12
886	Perceptual grouping based on temporal structure: Impact of subliminal flicker and visual transients. 2006 , 13, 481-502		6
885	.		3
884	Orientation-specific computation in stereoscopic vision. 2006 , 26, 9098-106		7
883	Learning Association Fields from Natural Images.		
882	Bio-inspired Motion-Based Object Segmentation. <i>Lecture Notes in Computer Science</i> , 2006 , 196-205	0.9	2
881	Cortical algorithms for perceptual grouping. 2006 , 29, 203-27		288
880	Area summation in human vision at and above detection threshold. 2007 , 274, 2891-900		36
879	Effect of figural perception on contrast detection threshold of colinear gabor patches. 2007 ,		
878	A Proto-object Based Visual Attention Model. <i>Lecture Notes in Computer Science</i> , 2007 , 198-215	0.9	20

877	Normal aging and the perception of curvature shapes. 2007 , 84, 1087-92		3
876	Contour Detection Based on Self-Organizing Feature Clustering. 2007 ,		1
875	Gradient direction dependencies in natural images. 2007 , 20, 277-99		2
874	Configuration influence on crowding. <i>Journal of Vision</i> , 2007 , 7, 4.1-12	0.4	92
873	Dynamics of snakes and ladders. <i>Journal of Vision</i> , 2007 , 7, 13.1-9	0.4	13
872	The nature of letter crowding as revealed by first- and second-order classification images. <i>Journal of Vision</i> , 2007 , 7, 5.1-26	0.4	65
871	Holistic crowding: selective interference between configural representations of faces in crowded scenes. <i>Journal of Vision</i> , 2007 , 7, 24.1-11	0.4	89
870	First-order and second-order statistical analysis of 3D and 2D image structure. 2007 , 18, 129-60		4
869	The demise of the identity hypothesis and the insufficiency and nonnecessity of contour relatability in predicting object interpolation: comment on Kellman, Garrigan, and Shipley (2005). 2007 , 114, 470-87		21
868	Multilevel surround inhibition: a biologically inspired contour detector. 2007 ,		
867	Polarization transformation as an algorithm for automatic generalization and quality assessment. 2007 ,		1
866	A Biologically Motivated Multiresolution Approach to Contour Detection. 2007 , 2007,		37
865	Brain states: top-down influences in sensory processing. 2007 , 54, 677-96		696
864	Structural sparseness and spatial phase alignment in natural scenes. 2007 , 24, 1873-85		29
863	Monocular activation of V1 and V2 in amblyopic adults measured with functional magnetic resonance imaging. 2007 , 11, 341-50		52
862	Contour integration based on the characteristics of edge elements. 2007 , 1301, 97-101		1
861	Contour detection based on Gabor filter and directional DoG filter. 2007 ,		1
860	Object-based attention is mediated by collinearity of targets. 2007 , 60, 137-53		9

859	Contextual modulation involves suppression and facilitation from the center and the surround. <i>Journal of Vision</i> , 2007 , 7, 7	0.4	29
858	Towards a unified theory of neocortex: laminar cortical circuits for vision and cognition. 2007 , 165, 79-104		39
857	Facial Sketching Based on Sub-Image Illumination Removal and Multiscale Edge Filtering. 2007 ,		
856	In search of biologic correlates for liver texture on portal-phase CT. 2007 , 14, 1058-68		58
855	Feature-based attention modulates the perception of object contours. <i>Journal of Vision</i> , 2007 , 7, 18.1-110.4	0.4	5
854	Ladder contours are undetectable in the periphery: a crowding effect?. <i>Journal of Vision</i> , 2007 , 7, 9.1-15	0.4	31
853	Speed dependence of tuning to one-dimensional features in V1. 2007 , 97, 2423-38		5
852	Visual spatial integration in the elderly. 2007 , 48, 2940-6		38
851	Contrast amplification in global texture orientation discrimination. <i>Journal of Vision</i> , 2007 , 7, 13.1-19	0.4	
850	CONFIGR: a vision-based model for long-range figure completion. <i>Neural Networks</i> , 2007 , 20, 1109-31	9.1	1
849	Seeing surfaces: The brain's vision of the world. 2007 , 4, 189-222		15
848	Iterated tensor voting and curvature improvement. 2007 , 87, 2503-2515		7
847	Neurons in monkey visual area V2 encode combinations of orientations. 2007 , 10, 1313-21		179
846	Space and time in visual context. 2007 , 8, 522-35		266
845	The electrophysiological correlate of contour integration is similar for color and luminance mechanisms. 2007 , 44, 305-22		22
844	Sensitivity and configuration-specificity of orientation-defined texture processing in infants and adults. <i>Vision Research</i> , 2007 , 47, 338-48	2.1	8
843	A neural model of 3D shape-from-texture: multiple-scale filtering, boundary grouping, and surface filling-in. <i>Vision Research</i> , 2007 , 47, 634-72	2.1	35
842	Closure facilitates contour integration. <i>Vision Research</i> , 2007 , 47, 818-27	2.1	47

841	Bayesian contour extrapolation: geometric determinants of good continuation. <i>Vision Research</i> , 2007 , 47, 783-98	2.1	30
840	Motion streaks improve motion detection. <i>Vision Research</i> , 2007 , 47, 828-33	2.1	46
839	Region- and edge-based configurational effects in texture segmentation. <i>Vision Research</i> , 2007 , 47, 879-86		17
838	Bilateral long-range interaction between right and left visual hemifield. <i>Vision Research</i> , 2007 , 47, 1490-503		4
837	Orientation repulsion and attraction in alignment perception. <i>Vision Research</i> , 2007 , 47, 1693-704	2.1	2
836	Collinearity improves alignment in amblyopia as well as in normal vision. <i>Vision Research</i> , 2007 , 47, 1968-73		
835	Anisotropy for spatial summation of elongated patches of grating: a tale of two tails. <i>Vision Research</i> , 2007 , 47, 1880-92	2.1	14
834	Spatial versus temporal grouping in a modified Ternus display. <i>Vision Research</i> , 2007 , 47, 2353-66	2.1	15
833	Detecting low shape-frequencies in smooth and jagged contours. <i>Vision Research</i> , 2007 , 47, 2390-402	2.1	10
832	Geometric determinants of shape segmentation: tests using segment identification. <i>Vision Research</i> , 2007 , 47, 2825-40	2.1	27
831	Texture segregation by visual cortex: perceptual grouping, attention, and learning. <i>Vision Research</i> , 2007 , 47, 3173-211	2.1	49
830	Formation of visual "objects" in the early computation of spatial relations. 2007 , 69, 816-27		62
829	Closure of salient regions determines search for a collinear target configuration. 2007 , 69, 32-47		24
828	The repetition discrimination task: an objective method for studying perceptual grouping. 2007 , 69, 68-78		43
827	Dynamical neural networks: Modeling low-level vision at short latencies. 2007 , 142, 163-225		3
826	The contribution of prefrontal cortex to global perception. 2007 , 181, 427-34		15
825	Collinearity, curvature interpolation, and the power of perceptual integration. 2007 , 71, 427-37		2
824	Formal reduction of interfaces to large-scale process control systems. 2007 , 4, 413-421		4

823	Extraction of salient contours from cluttered scenes. 2007 , 40, 3100-3109		69
822	Electrophysiological studies of texture recognition mechanisms. 2008 , 38, 219-26		1
821	The symplectic structure of the primary visual cortex. 2008 , 98, 33-48		64
820	Orthogonal bandelet bases for geometric images approximation. 2008 , 61, 1173-1212		48
819	A model of contour extraction including multiple scales, flexible inhibition and attention. <i>Neural Networks</i> , 2008 , 21, 759-73	9.1	37
818	Modeling contextual modulation in the primary visual cortex. <i>Neural Networks</i> , 2008 , 21, 1182-96	9.1	19
817	Attentional and automatic processes in line tracing: is tracing obligatory?. 2008 , 70, 422-30		5
816	Spatial organisation in passive tactile perception: is there a tactile field?. 2008 , 128, 355-60		8
815	Contour integration by 6-month-old infants: discrimination of distinct contour shapes. <i>Vision Research</i> , 2008 , 48, 136-48	2.1	16
814	Aging and visual processing: declines in spatial not temporal integration. <i>Vision Research</i> , 2008 , 48, 109-18	2.1	49
813	Crowding--an essential bottleneck for object recognition: a mini-review. <i>Vision Research</i> , 2008 , 48, 635-54	4.1	698
812	Precision and consistency of contour interpolation. <i>Vision Research</i> , 2008 , 48, 831-49	2.1	20
811	Perception of contours and shapes: low and intermediate stage mechanisms. <i>Vision Research</i> , 2008 , 48, 2106-27	2.1	164
810	Within-texture collinearity improves human texture segmentation. <i>Vision Research</i> , 2008 , 48, 1955-64	2.1	10
809	How does binocular rivalry emerge from cortical mechanisms of 3-D vision?. <i>Vision Research</i> , 2008 , 48, 2232-50	2.1	44
808	Distinct position assignment mechanisms revealed by cross-order motion. <i>Vision Research</i> , 2008 , 48, 2260-8	2.1	14
807	The effect of aging on contour integration. <i>Vision Research</i> , 2008 , 48, 2767-74	2.1	45
806	Contextual effects on decision templates for parafoveal orientation identification. <i>Vision Research</i> , 2008 , 48, 2689-95	2.1	8

805	Crowding: a cortical constraint on object recognition. 2008 , 18, 445-51		182
804	Experience shapes the utility of natural statistics for perceptual contour integration. 2008 , 18, 1162-7		19
803	Visual perception and its impairment in schizophrenia. 2008 , 64, 40-7		309
802	Learning to link visual contours. 2008 , 57, 442-51		167
801	Emergent properties of tactile scenes selectively activate barrel cortex neurons. 2008 , 60, 1112-25		53
800	Curvature-based perceptual singularities and texture saliency with early vision mechanisms. 2008 , 25, 1974-93		3
799	Contour-integration deficits on the intact side of the visual field in hemianopia patients. 2008 , 188, 109-24		28
798	Toward a perceptual theory of flow visualization. 2008 , 28, 6-11		30
797	Sparsely distributed contours dominate extra-striate responses to complex scenes. 2008 , 42, 890-901		22
796	Color in complex scenes. 2008 , 59, 143-66		161
795	Adaptive pseudo dilation for gestalt edge grouping and contour detection. 2008 , 17, 1950-62		36
794	Visual perceptual organization deficits in Alzheimer's dementia. 2008 , 25, 465-75		23
793	The art of seeing and painting. 2008 , 21, 463-86		4
792	From local to global: Cortical dynamics of contour integration. <i>Journal of Vision</i> , 2008 , 8, 15.1-12	0.4	27
791	Response similarity as a basis for perceptual binding. <i>Journal of Vision</i> , 2008 , 8, 17.1-12	0.4	11
790	Spatial biases and computational constraints on the encoding of complex local image structure. <i>Journal of Vision</i> , 2008 , 8, 19.1-13	0.4	6
789	The aesthetic experience of 'contour binding'. 2008 , 21, 291-314		2
788	Contrast-dependent and contrast-independent spatial summation of primary visual cortical neurons of the cat. 2008 , 18, 331-6		25

787	Selective mechanisms for simple contours revealed by compound adaptation. <i>Journal of Vision</i> , 2008 , 8, 11.1-10	0.4	23
786	Surface interpolation and 3D relatability. <i>Journal of Vision</i> , 2008 , 8, 29.1-19	0.4	11
785	Effects of element separation and carrier wavelength on detection of snakes and ladders: implications for models of contour integration. <i>Journal of Vision</i> , 2008 , 8, 4.1-23	0.4	10
784	Neural modeling of flow rendering effectiveness. 2008 ,		6
783	Using virtual scans to improve alignment performance in robot mapping. 2008 ,		
782	Improving sparse laser scan alignment with Virtual Scans. 2008 ,		2
781	The context sensitivity of visual size perception varies across cultures. 2008 , 37, 1426-33		83
780	Cue summation enables perceptual grouping. 2008 , 34, 1-26		10
779	Boundary completion, contrast polarity, and the perception of illusory tilt. 2008 , 37, 535-56		2
778	Cortical dynamics and visual perception. 62-76		
777	A recurrent model of contour integration in primary visual cortex. <i>Journal of Vision</i> , 2008 , 8, 8.1-25	0.4	31
776	Segregation by onset asynchrony. <i>Journal of Vision</i> , 2008 , 8, 21.1-21	0.4	8
775	Perceptual organization and neural computation. <i>Journal of Vision</i> , 2008 , 8, i.1-4	0.4	2
774	Families of models for gabor paths demonstrate the importance of spatial adjacency. <i>Journal of Vision</i> , 2008 , 8, 23.1-19	0.4	28
773	Multiple mechanisms of illusory contour perception. <i>Journal of Vision</i> , 2008 , 8, 17.1-17	0.4	19
772	Adaptation to global structure induces spatially remote distortions of perceived orientation. <i>Journal of Vision</i> , 2008 , 8, 31.1-12	0.4	9
771	Judging the shape of moving objects: discriminating dynamic angles. <i>Journal of Vision</i> , 2008 , 8, 9.1-13	0.4	3
770	A computational model of perceptual fill-in following retinal degeneration. 2008 , 99, 2086-100		13

769	A Bayesian framework for cue integration in multistable grouping: Proximity, collinearity, and orientation priors in zigzag lattices. <i>Journal of Vision</i> , 2008 , 8, 33.1-23	0.4	30
768	A 77 GHz low noise amplifier using low-cost 0.13µm CMOS technology. 2009 ,		1
767	Neural Encoding of Scene Statistics for Surface and Object Inference. 451-474		1
766	The aperture problem in contoured stimuli. <i>Journal of Vision</i> , 2009 , 9, 13.1-17	0.4	4
765	The role of vertical mirror symmetry in visual shape detection. <i>Journal of Vision</i> , 2009 , 9, 11.1-11	0.4	116
764	Context influences contour integration. <i>Journal of Vision</i> , 2009 , 9, 13.1-13	0.4	45
763	Binocular rivalry: spreading dominance through complex images. <i>Journal of Vision</i> , 2009 , 9, 4.1-9	0.4	10
762	Optical imaging of contextual interactions in V1 of the behaving monkey. 2009 , 102, 1930-44		53
761	Contours in noise: a role for self-cuing?. <i>Journal of Vision</i> , 2009 , 9, 2.1-16	0.4	3
760	Effects of surrounding frame on visual search for vertical or tilted bars. <i>Journal of Vision</i> , 2009 , 9, 20.1-19.4	0.4	5
759	Contextual Interactions in Visual Processing. 2009 , 145-158		
758	Common cortical loci are activated during visuospatial interpolation and orientation discrimination judgements. <i>PLoS ONE</i> , 2009 , 4, e4585	3.7	6
757	Background motion and the perception of shape defined by illusory contours. <i>Journal of Vision</i> , 2009 , 9, 5.1-11	0.4	1
756	Visual parsing after recovery from blindness. 2009 , 20, 1484-91		80
755	Contour statistics in natural images: grouping across occlusions. 2009 , 26, 109-21		79
754	An experimental criterion for consistency in interpolation of partly occluded contours. <i>Journal of Vision</i> , 2009 , 9, 5.1-19	0.4	3
753	The role of orientation and position in shape perception. <i>Journal of Vision</i> , 2009 , 9, 14.1-17	0.4	8
752	Visual grouping by neural oscillators. 2009 ,		

751	Positional averaging explains crowding with letter-like stimuli. 2009 , 106, 13130-5		144
750	The Embedded Neuron, the Enactive Field?. 2009 ,		3
749	A new "tilt" illusion reveals the relation between border ownership and border binding. <i>Journal of Vision</i> , 2009 , 9, 14.1-10	0.4	3
748	Ventral extra-striate cortical areas are required for human visual texture segmentation. <i>Journal of Vision</i> , 2009 , 9, 2.1-14	0.4	8
747	Temporal dissociation of global and local features by hierarchy of vision. 2009 , 119, 373-83		6
746	Perception measurement in clinical trials of schizophrenia: promising paradigms from CNTRICS. 2009 , 35, 163-81		101
745	Hyperbolic planforms in relation to visual edges and textures perception. <i>PLoS Computational Biology</i> , 2009 , 5, e1000625	5	32
744	An intuitive model of perceptual grouping for HCI design. 2009 ,		14
743	Grouping in object recognition: the role of a Gestalt law in letter identification. 2009 , 26, 36-49		30
742	Impairments of Gestalt perception in the intact hemifield of hemianopic patients are reflected in gamma-band EEG activity. 2009 , 47, 556-68		39
741	No evidence for impaired perception of biological motion in adults with autistic spectrum disorders. 2009 , 47, 3225-35		78
740	Functional geometry of the horizontal connectivity in the primary visual cortex. 2009 , 103, 37-45		18
739	Identification of everyday objects on the basis of kinetic contours. <i>Vision Research</i> , 2009 , 49, 417-28	2.1	6
738	Psychophysical and electrophysiological evidence of independent facilitation by collinearity and similarity in texture grouping and segmentation. <i>Vision Research</i> , 2009 , 49, 583-93	2.1	19
737	Phenomenology and neurophysiological correlations: two approaches to perception research. <i>Vision Research</i> , 2009 , 49, 1507-21	2.1	40
736	Adapting to altered image statistics using processed video. <i>Vision Research</i> , 2009 , 49, 1757-64	2.1	3
735	Neural correlates of texture and contour integration in children with autism spectrum disorders. <i>Vision Research</i> , 2009 , 49, 2140-50	2.1	21
734	Search superiority in autism within, but not outside the crowding regime. <i>Vision Research</i> , 2009 , 49, 2151-6	2.1	47

733	The influence of orientation jitter and motion on contour saliency and object identification. <i>Vision Research</i> , 2009 , 49, 2475-84	2.1	20
732	Vision in autism spectrum disorders. <i>Vision Research</i> , 2009 , 49, 2705-39	2.1	526
731	Using virtual scans for improved mapping and evaluation. 2009 , 27, 431		9
730	Perceptual learning and adult cortical plasticity. 2009 , 587, 2743-51		97
729	A neural contextual model for detecting perceptually salient contours. 2009 , 30, 985-993		29
728	Multi-scale lines and edges in V1 and beyond: brightness, object categorization and recognition, and consciousness. 2009 , 95, 206-26		16
727	Geometrical grouplets. 2009 , 26, 161-180		79
726	Orientation perception in Williams Syndrome: discrimination and integration. 2009 , 70, 21-30		12
725	Bayes and the simplicity principle in perception. 2009 , 116, 875-887		40
724	Investigating flow visualizations using interactive design space hill climbing. 2009 ,		2
723	Visual grouping by neural oscillator networks. 2009 , 20, 1871-84		15
722	A grouplet-based reduced reference image quality assessment. 2009 ,		11
721	Automatic road extraction from satellite imagery using LEGION networks. 2009 ,		3
720	Smooth graphs for visual exploration of higher-order state transitions. 2009 , 15, 969-76		27
719	Flexible learning of natural statistics in the human brain. 2009 , 102, 1854-67		20
718	Delay effects in the human sensory system during balancing. 2009 , 367, 1195-212		107
717	Geodesic Methods in Computer Vision and Graphics. 2009 , 5, 197-397		51
716	The relative use of proximity, shape similarity, and orientation as visual perceptual grouping cues in tufted capuchin monkeys (<i>Cebus apella</i>) and humans (<i>Homo sapiens</i>). 2009 , 123, 56-68		12

715	Time-course contingencies in perceptual organization and identification of fragmented object outlines. 2009 , 35, 661-687		39
714	Deciding how to act is not achieved by watching mental movies. 2009 , 35, 1481-9		10
713	Contour integration across spatial frequency. 2009 , 35, 1629-48		5
712	Influence of parallel and orthogonal real lines on illusory contour perception. 2010 , 103, 55-64		9
711	Visual impairments in dementia with Lewy bodies and posterior cortical atrophy. 2010 , 24, 35-48		18
710	Image descriptions in early and mid-level vision: what kind of model is this and what kind of models do we really need?. 2010 , 101, 27-32; author reply 41-6		2
709	Saliency modulates global perception in simultanagnosia. 2010 , 204, 595-603		13
708	Using multi-modal 3D contours and their relations for vision and robotics. 2010 , 21, 850-864		6
707	Running as fast as it can: how spiking dynamics form object groupings in the laminar circuits of visual cortex. 2010 , 28, 323-46		21
706	Minimal Surfaces in the Roto-Translation Group with Applications to a Neuro-Biological Image Completion Model. 2010 , 36, 1-27		37
705	A unified model of illusory and occluded contour interpolation. <i>Vision Research</i> , 2010 , 50, 284-99	2.1	27
704	Form overshadows 'opponent motion' information in processing of biological motion from point light walker stimuli. <i>Vision Research</i> , 2010 , 50, 118-26	2.1	9
703	Contextual effects in speed perception may occur at an early stage of processing. <i>Vision Research</i> , 2010 , 50, 193-201	2.1	8
702	The effects of spatial proximity and collinearity on contour integration in adults and children. <i>Vision Research</i> , 2010 , 50, 772-8	2.1	39
701	Segmentation by single and combined features involves different contextual influences. <i>Vision Research</i> , 2010 , 50, 1065-73	2.1	3
700	Modelling the dynamics of motion integration with a new luminance-gated diffusion mechanism. <i>Vision Research</i> , 2010 , 50, 1676-92	2.1	27
699	Rapid visual grouping and figure-ground processing using temporally structured displays. <i>Vision Research</i> , 2010 , 50, 1803-13	2.1	1
698	Boundary contour-based surface integration affected by color. <i>Vision Research</i> , 2010 , 50, 1833-44	2.1	6

697	Exploitation of natural geometrical regularities facilitates target detection. <i>Vision Research</i> , 2010 , 50, 2411-20	2.1	7
696	Spatiotemporal integration and contour interpolation revealed by a dot localization task with serial presentation paradigm. 2010 , 52, 268-280		1
695	Lateral competition for cortical space by layer-specific horizontal circuits. 2010 , 464, 1155-60		266
694	Differing causal roles for lateral occipital cortex and occipital face area in invariant shape recognition. 2010 , 32, 165-71		31
693	Robotic Vision with the Conformal Camera: Modeling Perisaccadic Perception. 2010 , 2010, 1-16		4
692	The neural correlates of visuospatial perceptual and oculomotor extrapolation. <i>PLoS ONE</i> , 2010 , 5, e9664.7		4
691	Morphological bases of suppressive and facilitative spatial summation in the striate cortex of the cat. <i>PLoS ONE</i> , 2010 , 5, e15025	3.7	3
690	Binocular rivalry and multi-stable perception: independence and monocular channels. <i>Journal of Vision</i> , 2010 , 10, 8	0.4	6
689	Global shape aftereffects have a local substrate: A tilt aftereffect field. <i>Journal of Vision</i> , 2010 , 10, 5	0.4	29
688	How do flankers' relations affect crowding?. <i>Journal of Vision</i> , 2010 , 10, 1.1-14	0.4	36
687	The effect of normal aging on closed contour shape discrimination. <i>Journal of Vision</i> , 2010 , 10, 1.1-9	0.4	29
686	A model of natural image edge co-occurrence in the rototranslation group. <i>Journal of Vision</i> , 2010 , 10,	0.4	24
685	The effects of flankers on contrast detection and discrimination in binocular, monocular, and dichoptic presentations. <i>Journal of Vision</i> , 2010 , 10, 13.1-15	0.4	10
684	A cyclopean visual saltation illusion reveals perceptual grouping in three-dimensional space. <i>Journal of Vision</i> , 2010 , 10,	0.4	
683	Motion drag induced by global motion Gabor arrays. <i>Journal of Vision</i> , 2010 , 10, 14	0.4	5
682	Probabilistic, positional averaging predicts object-level crowding effects with letter-like stimuli. <i>Journal of Vision</i> , 2010 , 10, 14	0.4	34
681	Two phases of offline learning in contour integration. <i>Journal of Vision</i> , 2010 , 10, 24	0.4	12
680	Learning-dependent plasticity with and without training in the human brain. 2010 , 107, 13503-8		28

679	Local motion effects on form in radial frequency patterns. <i>Journal of Vision</i> , 2010 , 10, 20.1-15	0.4	18
678	Spatially extensive summation of contrast energy is revealed by contrast detection of micro-pattern textures. <i>Journal of Vision</i> , 2010 , 10, 14	0.4	26
677	Perceptual organization without perception. The subliminal learning of global contour. 2010 , 21, 1751-8		20
676	A neurophysiologically plausible population code model for feature integration explains visual crowding. <i>PLoS Computational Biology</i> , 2010 , 6, e1000646	5	48
675	Population response to contextual influences in the primary visual cortex. 2010 , 20, 1293-304		41
674	Parallel and serial grouping of image elements in visual perception. 2010 , 36, 1443-1459		13
673	Image denoising with Grouplet transform. 2010 ,		
672	Identification of everyday objects on the basis of Gaborized outline versions. 2010 , 1, 121-42		23
671	Neural modeling of flow rendering effectiveness. 2010 , 7, 1-15		3
670	Surround modulation of neuronal responses in V1 is as stable over time as responses to direct stimulation of receptive fields. 2010 , 46, 1199-203		2
669	Computer Vision \square ACCV 2009. <i>Lecture Notes in Computer Science</i> , 2010 ,	0.9	2
668	Modulation of spatiotemporal dynamics of binocular rivalry by collinear facilitation and pattern-dependent adaptation. <i>Journal of Vision</i> , 2010 , 10, 3	0.4	24
667	Peripheral vision and pattern recognition: a review. <i>Journal of Vision</i> , 2011 , 11, 13	0.4	384
666	Decoding of coherent but not incoherent motion signals in early dorsal visual cortex. 2011 , 56, 688-98		7
665	Center-surround interaction with adaptive inhibition: a computational model for contour detection. 2011 , 55, 49-66		55
664	The relationship between brain oscillations and BOLD signal during memory formation: a combined EEG-fMRI study. 2011 , 31, 15674-80		129
663	LEGION-Based Automatic Road Extraction From Satellite Imagery. 2011 , 49, 4528-4538		38
662	Visual detection and identification are not the same: evidence from psychophysics and fMRI. 2011 , 75, 29-38		11

661	Estimating the usefulness of distorted natural images using an image contour degradation measure. 2011 , 28, 157-88		14
660	Using neuroimaging methods to localize mechanisms for making decisions concerning the ordering of textures. 2011 , 78, 808		3
659	Global shape processing involves a hierarchy of integration stages. <i>Vision Research</i> , 2011 , 51, 1760-6	2.1	24
658	The role of disparity interactions in perception of the 3D environment. 95-114		
657	Neuronal interactions and their role in solving the stereo correspondence problem. 137-160		2
656	Classification images: A review. <i>Journal of Vision</i> , 2011 , 11,	0.4	86
655	Detection of changes in luminance distributions. <i>Journal of Vision</i> , 2011 , 11,	0.4	2
654	The same binding in contour integration and crowding. <i>Journal of Vision</i> , 2011 , 11,	0.4	21
653	Contrast summation across eyes and space is revealed along the entire dipper function by a "Swiss cheese" stimulus. <i>Journal of Vision</i> , 2011 , 11,	0.4	20
652	Effects of aging on visual contour integration and segmentation. 2011 , 52, 3955-61		13
651	Differential effect of contrast polarity reversals in closed squares and open L-junctions. 2011 , 2, 47		6
650	Encoding of complexity, shape, and curvature by macaque infero-temporal neurons. 2011 , 5, 51		5
649	Vision first? The development of primary visual cortical networks is more rapid than the development of primary motor networks in humans. <i>PLoS ONE</i> , 2011 , 6, e25572	3.7	16
648	Features of the selectivity for contrast polarity in contour integration revealed by a novel tilt illusion. 2011 , 40, 1357-75		10
647	Ultra-fast detection of salient contours through horizontal connections in the primary visual cortex. 2011 , 93, 64001		1
646	Spectral clustering based on local linear approximations. 2011 , 5,		39
645	The timing of feature-based attentional effects during object perception. 2011 , 49, 3406-18		6
644	A new look at gamma? High- (>60 Hz) Eband activity in cortical networks: function, mechanisms and impairment. 2011 , 105, 14-28		143

643	Contributions of ideal observer theory to vision research. <i>Vision Research</i> , 2011 , 51, 771-81	2.1	166
642	The influence of orientation and contrast flicker on contour saliency of outlines of everyday objects. <i>Vision Research</i> , 2011 , 51, 65-73	2.1	11
641	Integration of contour and surface information in shape detection. <i>Vision Research</i> , 2011 , 51, 179-86	2.1	43
640	Beyond multiple pattern analyzers modeled as linear filters (as classical V1 simple cells): useful additions of the last 25 years. <i>Vision Research</i> , 2011 , 51, 1397-430	2.1	59
639	The effects of aging on contour discrimination in clutter. <i>Vision Research</i> , 2011 , 51, 1022-32	2.1	17
638	The effect of spatial orientation on detecting motion trajectories in noise. <i>Vision Research</i> , 2011 , 51, 2077-84	2.1	6
637	Motion and color generate coactivation at postgrouping identification stages. 2011 , 73, 1833-42		2
636	Fechner, information, and shape perception. 2011 , 73, 2353-78		17
635	Incremental grouping of image elements in vision. 2011 , 73, 2542-72		60
634	Edge and line oriented contour detection: State of the art. 2011 , 29, 79-103		242
633	Protention and retention in biological systems. 2011 , 130, 107-17		12
632	The role of co-circularity of local elements in texture perception. <i>Journal of Vision</i> , 2010 , 10, 3.1-8	0.4	8
631	Interpreting local visual features as a global shape requires awareness. 2011 , 278, 2207-15		14
630	An exploration of the spatial scale over which orientation-dependent surround effects affect contour detection. <i>Journal of Vision</i> , 2011 , 11, 12	0.4	7
629	Adaptive shape processing in primary visual cortex. 2011 , 108, 9739-46		62
628	Mathematical Morphology and Its Applications to Image and Signal Processing. <i>Lecture Notes in Computer Science</i> , 2011 ,	0.9	9
627	Collinear features impair visual detection by rats. <i>Journal of Vision</i> , 2011 , 11,	0.4	46
626	Increased surround modulation of perceived contrast in the elderly. 2011 , 88, 1298-308		17

625	Artistic representations: clues to efficient coding in human vision. 2011 , 28, 371-9		12
624	Attentional signatures of perception: multiple object tracking reveals the automaticity of contour interpolation. 2011 , 37, 685-98		20
623	Axon topography of layer IV spiny cells to orientation map in the cat primary visual cortex (area 18). 2011 , 21, 1443-58		14
622	Model cortical association fields account for the time course and dependence on target complexity of human contour perception. <i>PLoS Computational Biology</i> , 2011 , 7, e1002162	5	7
621	Principles of contour information: Reply to Lim and Leek (2012). 2012 , 119, 678-83		6
620	Optimality of human contour integration. <i>PLoS Computational Biology</i> , 2012 , 8, e1002520	5	22
619	A century of Gestalt psychology in visual perception: I. Perceptual grouping and figure-ground organization. 2012 , 138, 1172-217		687
618	Evidence for increased internal noise in migraineurs for contrast and shape processing. 2012 , 32, 125-39		12
617	The aftereffect of a spatial offset between Gabor patches depends on carrier orientations. <i>Journal of Vision</i> , 2012 , 12,	0.4	
616	Further evidence that local cues to shape in RF patterns are integrated globally. <i>Journal of Vision</i> , 2012 , 12, 16	0.4	23
615	Local contextual interactions can result in global shape misperception. <i>Journal of Vision</i> , 2012 , 12,	0.4	9
614	Orientation coherence sensitivity. <i>Journal of Vision</i> , 2012 , 12, 18	0.4	9
613	Prefrontally driven downregulation of neural synchrony mediates goal-directed forgetting. 2012 , 32, 14742-51		54
612	Optimization and validation of a visual integration test for schizophrenia research. 2012 , 38, 125-34		48
611	Shape detection of Gaborized outline versions of everyday objects. 2012 , 3, 745-64		11
610	Edges, curvature, and primal sketches. 2012 , 41, 1092-115		
609	The collaboration of grouping laws in vision. 2012 , 106, 266-83		1
608	An uncertainty principle underlying the functional architecture of V1. 2012 , 106, 183-93		23

607	The human visual system uses a global closure mechanism. <i>Vision Research</i> , 2012 , 71, 18-27	2.1	18
606	The integration of straight contours (snakes and ladders): The role of spatial arrangement, spatial frequency and spatial phase. <i>Vision Research</i> , 2012 , 71, 44-52	2.1	8
605	To complete or not to complete: Gap completion in real images. 2012 ,		3
604	The effect of contour closure on shape recognition. 2012 , 41, 221-35		10
603	Positional noise in Landolt-C stimuli reduces spatial resolution: a study with younger and older observers. <i>Vision Research</i> , 2012 , 67, 37-43	2.1	6
602	Illusory line motion and transformational apparent motion during continuous flash suppression1. 2012 , 54, 348-359		2
601	Relationship between BOLD amplitude and pattern classification of orientation-selective activity in the human visual cortex. 2012 , 63, 1212-22		31
600	A Computation Method for Continuity. 2012 , 29, 1314-1318		
599	Visual Perception Author's Note: Original version supported by NEI grant R01 EY 12926-06; revision supported by NSF grant BCS 1027120/1027259. Correspondence: MK & WE Department of Psychology, PO Box 400400, University of Virginia, Charlottesville, VA 22904-4400 (e-mail: kubovy@virginia.edu, we7v@virginia.edu). SC Vision Center Laboratory & Systems Neurobiology Laboratory, The Salk Institute for Biological Studies, 10010 N. Torrey Pines Road, La Jolla, CA 92037 (e-mail: sergei@salk.edu).. 2012 ,		
598	Adult visual cortical plasticity. 2012 , 75, 250-64		134
597	Temporal quality assessment for mobile videos. 2012 ,		20
596	Crowding deficits in the visual periphery of schizophrenia patients. <i>PLoS ONE</i> , 2012 , 7, e45884	3.7	10
595	Collinear stimuli induce local and cross-areal coherence in the visual cortex of behaving monkeys. <i>PLoS ONE</i> , 2012 , 7, e49391	3.7	9
594	A single theoretical framework for circular features processing in humans: orientation and direction of motion compared. <i>Frontiers in Computational Neuroscience</i> , 2012 , 6, 28	3.5	7
593	Speeding up the brain: when spatial facilitation translates into latency shortening. 2012 , 6, 330		5
592	Perceptual entrainment of individually unambiguous motions. <i>Journal of Vision</i> , 2012 , 12,	0.4	3
591	The role of crowding in contextual influences on contour integration. <i>Journal of Vision</i> , 2012 , 12, 3	0.4	15
590	Binocular rivalry: competition and inhibition in visual perception. 2012 , 3, 87-103		38

589	Dynamics of unconscious contextual effects in orientation processing. 2012 , 109, 7553-8		14
588	The spatial range of contour integration deficits in schizophrenia. 2012 , 220, 251-9		14
587	Reading acquisition enhances an early visual process of contour integration. 2012 , 15, 139-49		33
586	Long-range, pattern-dependent contextual effects in early human visual cortex. 2012 , 22, 781-6		33
585	Predictive coding as a model of the V1 saliency map hypothesis. <i>Neural Networks</i> , 2012 , 26, 7-28	9.1	35
584	Characteristics of the filled-in surface at the blind spot. <i>Vision Research</i> , 2012 , 58, 33-44	2.1	6
583	Sensitivity of spatial integration to perceptual cues is preserved in healthy aging. <i>Vision Research</i> , 2012 , 60, 1-6	2.1	5
582	Data visualization optimization via computational modeling of perception. 2012 , 18, 309-20		17
581	Local form-motion interactions influence global form perception. 2012 , 74, 816-23		5
580	The construction of perceptual grouping displays using GERT. 2012 , 44, 439-46		29
579	Predicting eye movements in a contour detection task. 2012 , 13,		1
578	Impaired texture segregation but spared contour integration following damage to right posterior parietal cortex. 2013 , 230, 41-57		8
577	Temporal properties of shape processing by event-related MEG adaptation. 2013 , 67, 119-26		5
576	Structure propagation for image registration. 2013 , 32, 1657-70		11
575	An updated midline rule: visual callosal connections anticipate shape and motion in ongoing activity across the hemispheres. 2013 , 33, 18036-46		12
574	Contextual influences in texture-segmentation: distinct effects from elements along the edge and in the texture-region. <i>Vision Research</i> , 2013 , 88, 1-8	2.1	6
573	"Connectability" matters too: completion theories need to be complete. 2013 , 4, 47-8		2
572	Long range grouping mechanisms for object perception. 2013 , 4, 46-7		

571	A neural model of visual figure-ground segregation from kinetic occlusion. <i>Neural Networks</i> , 2013 , 37, 141-64	9.1	12
570	Image segmentation using a sparse coding model of cortical area V1. 2013 , 22, 1631-43		68
569	Building pattern recognition in topographic data: examples on collinear and curvilinear alignments. 2013 , 17, 1-33		56
568	Component processes in contour integration: a direct comparison between snakes and ladders in a detection and a shape discrimination task. <i>Vision Research</i> , 2013 , 92, 39-46	2.1	11
567	Prestimulus oscillatory phase at 7 Hz gates cortical information flow and visual perception. 2013 , 23, 2273-2278		111
566	Disambiguating the roles of area V1 and the lateral occipital complex (LOC) in contour integration. 2013 , 69, 146-56		40
565	Full-reference quality assessment of stereopairs accounting for rivalry. 2013 , 28, 1143-1155		242
564	Top-down influences on visual processing. 2013 , 14, 350-63		597
563	. 2013 , 43, 137-148		2
562	Cognition in schizophrenia and schizo-affective disorder: impairments that are more similar than different. 2013 , 43, 2535-45		22
561	Population responses to contour integration: early encoding of discrete elements and late perceptual grouping. 2013 , 78, 389-402		53
560	Collinearity impairs local element visual search. 2013 , 39, 156-67		10
559	Contrast-dependent variations in the excitatory classical receptive field and suppressive nonclassical receptive field of cat primary visual cortex. 2013 , 23, 283-92		17
558	Humans make efficient use of natural image statistics when performing spatial interpolation. <i>Journal of Vision</i> , 2013 , 13,	0.4	11
557	The "side" matters: how configularity is reflected in completion. 2013 , 4, 31-45		19
556	The potential roles of saturating and supersaturating contrast-response functions in conjunction detection: reply to Peirce. <i>Journal of Vision</i> , 2013 , 13, 22	0.4	4
555	Computing local edge probability in natural scenes from a population of oriented simple cells. <i>Journal of Vision</i> , 2013 , 13,	0.4	4
554	Surface reconstruction, figure-ground modulation, and border-ownership. 2013 , 4, 50-2		2

553	The emergent property of border-ownership and the perception of illusory surfaces in a dynamic hierarchical system. 2013 , 4, 54-61		9
552	Borders, contours, and mechanism. 2013 , 4, 52-3		
551	Neurophysiological constraints on models of illusory contours. 2013 , 4, 49-50		3
550	Filling-in the gaps in models of completion. 2013 , 4, 48-9		1
549	An illusion predicted by V1 population activity implicates cortical topography in shape perception. 2013 , 16, 1477-83		26
548	The role of eye movements in a contour detection task. <i>Journal of Vision</i> , 2013 , 13,	0.4	4
547	Detecting shape change: characterizing the interaction between texture-defined and contour-defined borders. <i>Journal of Vision</i> , 2013 , 13,	0.4	14
546	Paradoxical psychometric functions ("swan functions") are explained by dilution masking in four stimulus dimensions. 2013 , 4, 17-35		5
545	Spatial arrangement in texture discrimination and texture segregation. 2013 , 4, 36-52		9
544	A common rule for integration and suppression of luminance contrast across eyes, space, time, and pattern. 2013 , 4, 1-16		11
543	Detecting shapes in noise: tuning characteristics of global shape mechanisms. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 37	3.5	6
542	Perceptual learning of contour integration is not compromised in the elderly. <i>Journal of Vision</i> , 2013 , 13, 5	0.4	12
541	Spatial structure of contextual modulation. <i>Journal of Vision</i> , 2013 , 13,	0.4	3
540	Closure enhancement in a model network with orientation tuned long-range connectivity. 2013 , 5, 119-148		1
539	Collinear integration affects visual search at V1. <i>Journal of Vision</i> , 2013 , 13, 24	0.4	5
538	Top-down control in contour grouping. <i>PLoS ONE</i> , 2013 , 8, e54085	3.7	18
537	Reduced crowding and poor contour detection in schizophrenia are consistent with weak surround inhibition. <i>PLoS ONE</i> , 2013 , 8, e60951	3.7	18
536	Perceptual Organization in Vision. 2013 ,		3

535	An event-related potential examination of contour integration deficits in schizophrenia. 2013 , 4, 132		26
534	Contour integration and aging: the effects of element spacing, orientation alignment and stimulus duration. 2013 , 4, 356		8
533	Adaptation to implied tilt: extensive spatial extrapolation of orientation gradients. 2013 , 4, 438		3
532	Toward a unified model of face and object recognition in the human visual system. 2013 , 4, 497		25
531	Music and speech prosody: a common rhythm. 2013 , 4, 566		53
530	Set-size effects for sampled shapes: experiments and model. <i>Frontiers in Computational Neuroscience</i> , 2013 , 7, 67	3.5	6
529	Seven Challenges in Image Quality Assessment: Past, Present, and Future Research. 2013 , 2013, 1-53		223
528	Low level constraints on dynamic contour path integration. <i>PLoS ONE</i> , 2014 , 9, e98268	3.7	2
527	eulerAPE: drawing area-proportional 3-Venn diagrams using ellipses. <i>PLoS ONE</i> , 2014 , 9, e101717	3.7	352
526	Orientation-cue invariant population responses to contrast-modulated and phase-reversed contour stimuli in macaque V1 and V2. <i>PLoS ONE</i> , 2014 , 9, e106753	3.7	17
525	Spatial Proximity and Similarity. 2014 ,		
524	Brain networks supporting perceptual grouping and contour selection. 2014 , 5, 264		24
523	Inter-element orientation and distance influence the duration of persistent contour integration. 2014 , 5, 1273		3
522	Hierarchical representation of shapes in visual cortex—from localized features to figural shape segregation. <i>Frontiers in Computational Neuroscience</i> , 2014 , 8, 93	3.5	10
521	Geometrical illusions are not always where you think they are: a review of some classical and less classical illusions, and ways to describe them. 2014 , 8, 856		20
520	Neuronal oscillations form parietal/frontal networks during contour integration. 2014 , 8, 64		18
519	Corticocortical feedback increases the spatial extent of normalization. 2014 , 8, 105		36
518	One "shape" fits all: the orientation bandwidth of contour integration. <i>Journal of Vision</i> , 2014 , 14, 17	0.4	1

517	Local masking in natural images: a database and analysis. <i>Journal of Vision</i> , 2014 , 14, 22	0.4	28
516	A moving-barber-pole illusion. <i>Journal of Vision</i> , 2014 , 14, 1	0.4	5
515	Both predictability and familiarity facilitate contour integration. <i>Journal of Vision</i> , 2014 , 14, 11	0.4	4
514	Contours of Outline Shapes Derived from Everyday Objects. 2014 ,		
513	Temporal windows in visual processing: "prestimulus brain state" and "poststimulus phase reset" segregate visual transients on different temporal scales. 2014 , 34, 1554-65		37
512	Brain-Inspired Computing. <i>Lecture Notes in Computer Science</i> , 2014 ,	0.9	2
511	Improving the Display of Wind Patterns and Ocean Currents. 2014 , 95, 1573-1581		9
510	The temporal window of individuation limits visual capacity. 2014 , 5, 952		27
509	The development of contour processing: evidence from physiology and psychophysics. 2014 , 5, 719		7
508	Multiple forms of contour grouping deficits in schizophrenia: what is the role of spatial frequency?. 2014 , 65, 221-33		17
507	Contour Integration. 2014 , 178-189		2
506	Haptic shape processing in visual cortex. 2014 , 26, 1154-67		27
505	Global processing in amblyopia: a review. 2014 , 5, 583		64
504	Shape beyond recognition: form-derived directionality and its effects on visual attention and motion perception. <i>Journal of Experimental Psychology: General</i> , 2014 , 143, 434-54	4.7	5
503	A psychophysical evaluation of the a contrario detection theory. 2014 ,		2
502	How Well Do Computational Features Perceptually Rank Textures? A Comparative Evaluation. 2014		9
501	Multifeature-based surround inhibition improves contour detection in natural images. 2014 , 23, 5020-32		41
500	Age-related changes in visual contour integration: implications for physiology from psychophysics. 2014 , 56, 1390-405		10

499	Professor Robert F Hess DSc PhD MSc DipOptom: awarded the H Barry Collin Research Medal for 2013. 2014 , 97, 456-8		0
498	Aging and the integration of orientation and position in shape perception. <i>Journal of Vision</i> , 2014 , 14, 12	0.4	1
497	Figure-ground processing during fixational saccades in V1: indication for higher-order stability. 2014 , 34, 3247-52		11
496	Peripheral Contour Grouping and Saccade Targeting: The Role of Mirror Symmetry. 2014 , 6, 1-22		4
495	Contour extracting networks in early extrastriate cortex. <i>Journal of Vision</i> , 2014 , 14, 18	0.4	12
494	Asymmetric global motion integration in drifting Gabor arrays. <i>Journal of Vision</i> , 2014 , 14, 18	0.4	1
493	Local edge statistics provide information regarding occlusion and nonocclusion edges in natural scenes. <i>Journal of Vision</i> , 2014 , 14,	0.4	9
492	Feature structure fusion and its application. 2014 , 20, 146-154		17
491	Oriented edge-selective band-pass filtering. 2014 , 276, 80-103		2
490	A Cortical-Inspired Geometry for Contour Perception and Motion Integration. 2014 , 49, 511-529		17
489	Association Fields via Cuspless Sub-Riemannian Geodesics in SE(2). 2014 , 49, 384-417		27
488	The dynamics of contour integration: A simultaneous EEG-fMRI study. 2014 , 88, 10-21		26
487	The Leuven Perceptual Organization Screening Test (L-POST), an online test to assess mid-level visual perception. 2014 , 46, 472-87		32
486	Role of visual integration in gaze perception and emotional intelligence in schizophrenia. 2014 , 40, 617-25		19
485	Stereo, Shading, and Surfaces: Curvature Constraints Couple Neural Computations. 2014 , 102, 812-829		5
484	Optogenetic assessment of horizontal interactions in primary visual cortex. 2014 , 34, 4976-90		33
483	Directional Aggregate Visualization of Large Scale Movement Data. 2014 ,		4
482	Recovering metric properties of objects through spatiotemporal interpolation. <i>Vision Research</i> , 2014 , 102, 80-8	2.1	2

481	Contour integration impairment in schizophrenia and first episode psychosis: state or trait?. 2014 , 159, 515-20		16
480	Correlations in V1 are reduced by stimulation outside the receptive field. 2014 , 34, 11222-7		38
479	Computing with a canonical neural circuits model with pool normalization and modulating feedback. 2014 , 26, 2735-89		30
478	Towards Big Data Visualization for Augmented Reality. 2014 ,		10
477	The effect of simultaneous flickering light stimulation on global form and motion perception thresholds. 2014 , 583, 87-91		1
476	Perceptual grouping by entrainment in coupled Kuramoto oscillator networks. 2014 , 25, 72-84		1
475	Jung's views on causes and treatments of schizophrenia in light of current trends in cognitive neuroscience and psychotherapy research I. Aetiology and phenomenology. 2014 , 59, 98-129		5
474	Neuromathematics of Vision. <i>Lecture Notes in Morphogenesis</i> , 2014 ,	0	15
473	Are visual texture-selective areas recruited during haptic texture discrimination?. 2014 , 94, 129-137		23
472	Development of a novel approach to the assessment of eye-hand coordination. 2014 , 228, 50-6		15
471	Bidimensional ensemble empirical mode decomposition of functional biomedical images taken during a contour integration task. 2014 , 13, 218-236		9
470	A single functional model of drivers and modulators in cortex. 2014 , 36, 97-118		12
469	A very brief introduction of what is known about vision experimentally. 2014 , 16-66		
468	The efficient coding principle. 2014 , 67-176		
467	Perceptual texture retrieval using spatial distributions of textons (SDoT). 2015 ,		1
466	Edge co-occurrences can account for rapid categorization of natural versus animal images. <i>Scientific Reports</i> , 2015 , 5, 11400	4.9	18
465	Bayesian hierarchical grouping: Perceptual grouping as mixture estimation. 2015 , 122, 575-97		23
464	Hyper-vision of mirror symmetry in patients with macular degeneration reflects parafoveal cortical reorganization. 2016 , 34, 67-77		1

463	Perceptual grouping via binocular disparity: The impact of stereoscopic good continuation. <i>Journal of Vision</i> , 2015 , 15, 11	0.4	7
462	Modulated textures with shape structures implied by a closed flow are processed globally. <i>Journal of Vision</i> , 2015 , 15,	0.4	6
461	Tolerance for local and global differences in the integration of shape information. <i>Journal of Vision</i> , 2015 , 15,	0.4	14
460	Contour complexity and contour detection. <i>Journal of Vision</i> , 2015 , 15, 6	0.4	9
459	From orientations to objects: Configural processing in the ventral stream. <i>Journal of Vision</i> , 2015 , 15, 4	0.4	23
458	Understanding mid-level representations in visual processing. <i>Journal of Vision</i> , 2015 , 15, 5	0.4	23
457	How crowding, masking, and contour interactions are related: A developmental approach. <i>Journal of Vision</i> , 2015 , 15, 5	0.4	10
456	Contour integration, attentional cuing, and conscious awareness: An investigation on the processing of collinear and orthogonal contours. <i>Journal of Vision</i> , 2015 , 15, 10	0.4	6
455	Cue combination anisotropies in contour integration: The role of lower spatial frequencies. <i>Journal of Vision</i> , 2015 , 15, 17	0.4	4
454	Probing intermediate stages of shape processing. <i>Journal of Vision</i> , 2015 , 15, 1	0.4	13
453	Facilitation of contrast detection by flankers without perceived orientation. <i>Journal of Vision</i> , 2015 , 15, 15	0.4	3
452	Global shape processing: A behavioral and electrophysiological analysis of both contour and texture processing. <i>Journal of Vision</i> , 2015 , 15, 18	0.4	6
451	Beyond the classical receptive field: The effect of contextual stimuli. <i>Journal of Vision</i> , 2015 , 15, 7	0.4	41
450	Potential roles of the interaction between model V1 neurons with orientation-selective and non-selective surround inhibition in contour detection. 2015 , 9, 30		2
449	The lemon illusion: seeing curvature where there is none. 2015 , 9, 95		2
448	Collinear facilitation and contour integration in autism: evidence for atypical visual integration. 2015 , 9, 115		13
447	Ensemble Empirical Mode Decomposition Analysis of EEG Data Collected during a Contour Integration Task. <i>PLoS ONE</i> , 2015 , 10, e0119489	3.7	24
446	Principles of perceptual grouping: implications for image-guided surgery. 2015 , 6, 1565		13

445	Game theory based no-reference perceptual quality assessment for stereoscopic images. 2015 , 71, 3337-3352	5
444	Serial versus parallel processing in mid-level vision: filling-in the details of spatial interpolation. 2015 , 2015, niv007	2
443	The visual system's internal model of the world. 2015 , 103, 1359-1378	11
442	Contour detection based on multi-scale spatial inhibition and contextual modulation. 2015 ,	
441	Single additive mechanism predicts lateral interactions effects-computational model. 2015 , 32, 2247-59	
440	Visualizing Big Data with augmented and virtual reality: challenges and research agenda. 2015 , 2,	118
439	Sparse coding of natural images using a prior on edge co-occurrences. 2015 ,	
438	A Gauge Field Model of Modal Completion. 2015 , 52, 267-284	6
437	The constitution of visual perceptual units in the functional architecture of V1. 2015 , 38, 285-300	26
436	Strong Bias Towards Analytic Perception in ASD Does not Necessarily Come at the Price of Impaired Integration Skills. 2015 , 45, 1499-512	12
435	Multidimensional gain control in image representation and processing in vision. 2015 , 109, 179-202	2
434	Cortical contributions to impaired contour integration in schizophrenia. 2015 , 75, 469-80	29
433	The efficiency of second order orientation coherence detection. <i>Vision Research</i> , 2015 , 109, 45-51	2.1 3
432	Towards an Embodied Developing Vision System. 2015 , 29, 41-50	
431	Developmental trends in interpolation and its spatial constraints: A comparison of subjective and occluded contours. 2015 , 77, 1307-20	3
430	Harmonic and Geometric Analysis. 2015 ,	0
429	Models of the Visual Cortex in Lie Groups. 2015 , 1-55	4
428	Cortical spatiotemporal dimensionality reduction for visual grouping. 2015 , 27, 1252-93	10

427	Computer Vision. 2015 ,		1
426	Cortical Correlates of Low-Level Perception: From Neural Circuits to Percepts. 2015 , 88, 110-26		38
425	Comparison of visual perceptual organization in schizophrenia and body dysmorphic disorder. 2015 , 229, 426-33		11
424	Suppressive mechanisms in visual motion processing: From perception to intelligence. <i>Vision Research</i> , 2015 , 115, 58-70	2.1	46
423	Morphogenesis and Individuation. <i>Lecture Notes in Morphogenesis</i> , 2015 ,	0	2
422	Invisible collinear structures impair search. 2015 , 31, 46-59		1
421	Tangent Bundle Elastica and Computer Vision. 2015 , 37, 161-74		8
420	Is 20/20 vision good enough? Visual acuity differences within the normal range predict contour element detection and integration. 2015 , 22, 121-7		17
419	Topography of Excitatory Cortico-cortical Connections in Three Main Tiers of the Visual Cortex: Functional Implications of the Patchy Horizontal Network. 2016 , 135-158		2
418	Nonretinotopic perception of orientation: Temporal integration of basic features operates in object-based coordinates. <i>Journal of Vision</i> , 2016 , 16, 3	0.4	3
417	In unison: First- and second-order information combine for integration of shape information. <i>Journal of Vision</i> , 2016 , 16, 9	0.4	3
416	The perception of three-dimensional contours and the effect of luminance polarity and color change on their detection. <i>Journal of Vision</i> , 2016 , 16, 31	0.4	1
415	Four types of ensemble coding in data visualizations. <i>Journal of Vision</i> , 2016 , 16, 11	0.4	47
414	Responses in early visual areas to contour integration are context dependent. <i>Journal of Vision</i> , 2016 , 16, 19	0.4	10
413	Foveal and parafoveal contrast suppression are different: Mechanisms revealed by the study of healthy aging. <i>Journal of Vision</i> , 2016 , 16, 10	0.4	10
412	Networks extending across dorsal and ventral visual pathways correlate with trajectory perception. <i>Journal of Vision</i> , 2016 , 16, 21	0.4	3
411	Effective signaling of surface boundaries by L-vertices reflect the consistency of their contrast in natural images. <i>Journal of Vision</i> , 2016 , 16, 15	0.4	1
410	Contextual Interactions in Grating Plaid Configurations Are Explained by Natural Image Statistics and Neural Modeling. 2016 , 10, 78		3

409	Rehabilitation Approaches in Macular Degeneration Patients. 2016 , 10, 107			13
408	Illusory Streaks from Corners and Their Perceptual Integration. 2016 , 7, 959			3
407	Functional implications of orientation maps in primary visual cortex. 2016 , 7, 13529			24
406	Extracting building patterns with multilevel graph partition and building grouping. 2016 , 122, 81-96			27
405	Visual system inspired algorithm for contours, corner and T-junction detection. 2016 ,			
404	The Influence of Cast Shadows on the Detection of Three-Dimensional Curved Contour Structure. 2016 , 45, 425-42			6
403	Citti, G., & Sarti, A. (Eds.). Neuromathematics of vision. 2016 , 45, 601-603			
402	Measuring the visual salience of alignments by their non-accidentalness. <i>Vision Research</i> , 2016 , 126, 192-206			4
401	A computational model for reference-frame synthesis with applications to motion perception. <i>Vision Research</i> , 2016 , 126, 242-253	2.1		11
400	Synaptic Correlates of Low-Level Perception in V1. 2016 , 36, 3925-42			20
399	Analysis of Vessel Connectivities in Retinal Images by Cortically Inspired Spectral Clustering. 2016 , 56, 158-172			13
398	Sub-Riemannian Mean Curvature Flow for Image Processing. 2016 , 9, 212-237			18
397	A systematic comparison between visual cues for boundary detection. <i>Vision Research</i> , 2016 , 120, 93-107	2.1		43
396	Bio-inspired computer vision: Towards a synergistic approach of artificial and biological vision. 2016 , 150, 1-30			49
395	Contour integration with corners. <i>Vision Research</i> , 2016 , 127, 132-140	2.1		4
394	An Orientation Dependent Size Illusion Is Underpinned by Processing in the Extrastriate Visual Area, LO1. 2016 , 7, 2041669516667628			4
393	Uncovering the Spatial Profile of Contour Integration from Fixational Saccades: Evidence for Widespread Processing in V1. 2017 , 27, 5261-5273			2
392	Perceptually Motivated Image Features Using Contours. 2016 , 25, 5050-5062			11

391	Big Data Technologies and Applications. 2016,			16
390	Visualizing Big Data. 2016, 101-131			5
389	Visual perception of complex shape-transforming processes. 2016, 90, 48-70			16
388	Do observers like curvature or do they dislike angularity?. 2016, 107, 154-78			64
387	Threshold logic based low-level vision sparse object features. 2016, 9, 314-324			2
386	Geometrical features underlying the perception of collinearity. <i>Vision Research</i> , 2016, 128, 83-94	2.1		3
385	Combining S-cone and luminance signals adversely affects discrimination of objects within backgrounds. <i>Scientific Reports</i> , 2016, 6, 20504	4.9		2
384	Visual perception of shape altered by inferred causal history. <i>Scientific Reports</i> , 2016, 6, 36245	4.9		18
383	Noise effect on the recognition of fragmented contour images. 2016, 42, 312-319			
382	Visual Perception Disturbances in Schizophrenia: A Unified Model. 2016, 63, 77-132			62
381	Micro-, Meso- and Macro-Dynamics of the Brain. <i>Research and Perspectives in Neurosciences</i> , 2016,			7
380	Contour Integration over Time: Psychophysical and fMRI Evidence. 2017, 27, 3042-3051			6
379	The Neuropsychopathology of Schizophrenia. 2016,			1
378	Good continuation in dot patterns: A quantitative approach based on local symmetry and non-accidentalness. <i>Vision Research</i> , 2016, 126, 183-191	2.1		4
377	The time course of pattern discrimination in the human brain. <i>Vision Research</i> , 2016, 125, 55-63	2.1		2
376	Brain-inspired algorithms for retinal image analysis. 2016, 27, 1117-1135			18
375	Contrast-dependent surround suppression models for contour detection. 2016, 60, 51-61			10
374	Conterminous United States crop field size quantification from multi-temporal Landsat data. 2016, 172, 67-86			114

373	Human Visual System-Based Fundus Image Quality Assessment of Portable Fundus Camera Photographs. 2016 , 35, 1046-55		48
372	Visual processing in migraine. 2016 , 36, 1057-1076		25
371	Perceptual organization, visual attention, and objecthood. <i>Vision Research</i> , 2016 , 126, 34-51	2.1	23
370	Stereoscopic image quality assessment method based on binocular combination saliency model. 2016 , 125, 237-248		57
369	Relating functional connectivity in V1 neural circuits and 3D natural scenes using Boltzmann machines. <i>Vision Research</i> , 2016 , 120, 121-31	2.1	3
368	The role of shape complexity in the detection of closed contours. <i>Vision Research</i> , 2016 , 126, 220-231	2.1	13
367	A unified account of tilt illusions, association fields, and contour detection based on elastica. <i>Vision Research</i> , 2016 , 126, 164-173	2.1	4
366	Quantifying density cues in grouping displays. <i>Vision Research</i> , 2016 , 126, 207-219	2.1	7
365	Spatially-global integration of closed, fragmented contours by finding the shortest-path in a log-polar representation. <i>Vision Research</i> , 2016 , 126, 143-163	2.1	4
364	Non-Rigid Point Set Registration by Preserving Global and Local Structures. 2016 , 25, 53-64		208
363	Response priming evidence for feedforward processing of snake contours but not of ladder contours and textures. <i>Vision Research</i> , 2016 , 126, 174-182	2.1	6
362	The singular nature of auditory and visual scene analysis in autism. 2017 , 372,		13
361	Cortical mechanisms for afterimage formation: evidence from interocular grouping. <i>Scientific Reports</i> , 2017 , 7, 41101	4.9	4
360	Tracking of Lines in Spherical Images via Sub-Riemannian Geodesics in. 2017 , 58, 239-264		12
359	Synaptic connections formed by patchy projections of pyramidal cells in the superficial layers of cat visual cortex. <i>Brain Structure and Function</i> , 2017 , 222, 3025-3042	4	8
358	Monocular deprivation of Fourier phase information boosts the deprived eye's dominance during interocular competition but not interocular phase combination. <i>Neuroscience</i> , 2017 , 352, 122-130	3.9	28
357	Retrieving challenging vessel connections in retinal images by line co-occurrence statistics. 2017 , 111, 237-247		4
356	The polynomial sub-Riemannian differentiability of some Hölder mappings of Carnot groups. 2017 , 58, 232-254		22

355	Neural dynamics of grouping and segmentation explain properties of visual crowding. 2017 , 124, 483-504		27
354	How Humans Consciously See Paintings and Paintings Illuminate How Humans See. 2017 , 5, 1-95		7
353	High entropy of edge orientations characterizes visual artworks from diverse cultural backgrounds. <i>Vision Research</i> , 2017 , 133, 130-144	2.1	19
352	Local and Global Gestalt Laws: A Neurally Based Spectral Approach. 2017 , 29, 394-422		4
351	Visual Population Receptive Fields in People with Schizophrenia Have Reduced Inhibitory Surrounds. 2017 , 37, 1546-1556		32
350	Towards solving the hard problem of consciousness: The varieties of brain resonances and the conscious experiences that they support. <i>Neural Networks</i> , 2017 , 87, 38-95	9.1	55
349	A generative vision model that trains with high data efficiency and breaks text-based CAPTCHAs. 2017 , 358,		114
348	Nonuniform surround suppression of visual responses in mouse V1. 2017 , 118, 3282-3292		8
347	The equivalent internal orientation and position noise for contour integration. <i>Scientific Reports</i> , 2017 , 7, 13048	4.9	2
346	Pathological completion in the intact visual field of hemianopia patients. 2017 , 25, 169-183		0
345	A recurrent neural model for proto-object based contour integration and figure-ground segregation. 2017 , 43, 227-242		7
344	Interactions between feedback and lateral connections in the primary visual cortex. 2017 , 114, 8637-8642		41
343	Compositional inductive biases in function learning. 2017 , 99, 44-79		36
342	Functional Architectures II: Horizontal Connections and Contact Structure. <i>Lecture Notes in Morphogenesis</i> , 2017 , 275-346		0
341	Neurobiology: Synapses get together for vision. 2017 , 547, 408-410		
340	Collinear masking effect in visual search is independent of perceptual salience. 2017 , 79, 1366-1383		2
339	Exploiting Illusory Grid Lines for Object-Location Memory Performance in Urban Topographic Maps. 2017 , 54, 242-253		17
338	Decoding information about dynamically occluded objects in visual cortex. 2017 , 146, 778-788		18

337	Influence of surface texturing on scratch/mar visibility for polymeric materials: a review. 2017 , 52, 1221-1234	15
336	Orientation Histogram-Based Center-Surround Interaction: An Integration Approach for Contour Detection. 2017 , 29, 171-193	5
335	Contour Detection Model Based on the Combination of Surround Facilitation and Inhibition. 2017 ,	
334	Perception of global image contrast involves transparent spatial filtering and the integration and suppression of local contrasts (not RMS contrast). 2017 , 4, 170285	3
333	Brain-Inspired Machine Intelligence for Image Analysis: Convolutional Neural Networks. 2017 , 127-163	1
332	Mathematical and Theoretical Neuroscience. <i>Springer INdAM Series</i> , 2017 ,	0.4
331	The Importance of Phase to Texture Similarity. 2017 ,	1
330	The Effect of Local Orientation Change on the Detection of Contours Defined by Constant Curvature: Psychophysics and Image Statistics. 2016 , 7, 2069	
329	Posterior-Anterior Brain Maturation Reflected in Perceptual, Motor and Cognitive Performance. 2017 , 8, 674	6
328	Using CNN Features to Better Understand What Makes Visual Artworks Special. 2017 , 8, 830	15
327	Contour Integration in Dynamic Scenes: Impaired Detection Performance in Extended Presentations. 2017 , 8, 1501	0
326	Change Blindness Is Influenced by Both Contrast Energy and Subjective Importance within Local Regions of the Image. 2017 , 8, 1718	1
325	Crowding and perceptual organization: Target's objecthood influences the relative strength of part-level and configural-level crowding. <i>Journal of Vision</i> , 2017 , 17, 7	0.4 2
324	The maintenance and updating of representations of no longer visible objects and their parts. 2017 , 236, 163-192	6
323	Topographic Independent Component Analysis reveals random scrambling of orientation in visual space. <i>PLoS ONE</i> , 2017 , 12, e0178345	3.7 1
322	Bioplausible multiscale filtering in retino-cortical processing as a mechanism in perceptual grouping. 2017 , 4, 271-293	4
321	26th Annual Computational Neuroscience Meeting (CNS*2017): Part 2. 2017 , 18,	5
320	Multi-inducer grouping for curve completion: Perceptual and computational exploration. <i>Journal of Vision</i> , 2017 , 17, 8	0.4

319	A new angle on contour integration: The role of corners. <i>Journal of Vision</i> , 2017 , 17, 9	0.4	5
318	Hierarchical neural network model of the visual system determining figure/ground relation. 2017 ,		
317	Distinct effects of contour smoothness and observer bias on visual persistence. <i>Journal of Vision</i> , 2017 , 17, 8	0.4	0
316	Perceptual Organization. 2018 , 1-70		12
315	Curvature Integration in a 5D Kernel for Extracting Vessel Connections in Retinal Images. 2018 , 27, 606-621		13
314	Optimal Compressive Imaging of Fourier Data. 2018 , 11, 507-546		39
313	Contour interpolation: A case study in Modularity of Mind. 2018 , 174, 1-18		6
312	Perceived Average Orientation Reflects Effective Gist of the Surface. 2018 , 29, 319-327		7
311	Cortical travelling waves: mechanisms and computational principles. 2018 , 19, 255-268		194
310	Joint Contours, Corner and T-Junction Detection: An Approach Inspired by the Mammal Visual System. 2018 , 60, 341-354		5
309	Full interpretation of minimal images. 2018 , 171, 65-84		6
308	The role of global cues in the perceptual grouping of natural shapes. <i>Journal of Vision</i> , 2018 , 18, 14	0.4	3
307	Surface continuity and discontinuity bias the perception of stereoscopic depth. <i>Journal of Vision</i> , 2018 , 18, 13	0.4	5
306	Can Deep Learning Learn the Principle of Closed Contour Detection?. <i>Lecture Notes in Computer Science</i> , 2018 , 455-460	0.9	
305	Spatial relationships between contours impact rapid scene classification. <i>Journal of Vision</i> , 2018 , 18, 1	0.4	8
304	Nonlinear Lateral Interactions in V1 Population Responses Explained by a Contrast Gain Control Model. 2018 , 38, 10069-10079		2
303	The statistical shape of geometric reasoning. <i>Scientific Reports</i> , 2018 , 8, 12906	4.9	3
302	Neural Signatures of the Configural Superiority Effect and Fundamental Emergent Features in Human Vision. <i>Scientific Reports</i> , 2018 , 8, 13954	4.9	6

301	Shape from Contour: Computation and Representation. 2018 , 4, 423-450		17
300	Novel Reduced Switch Multilevel Inverter Suitable for Photovoltaic Application with Selective Harmonic Elimination Control. 2018 ,		0
299	The Visual Word Booster: A Spatial Layout of Words Descriptor Exploiting Contour Cues. 2018 ,		8
298	An Overview of Contour Detection Approaches. 2018 , 15, 656-672		34
297	Successful Reorganization of Category-Selective Visual Cortex following Occipito-temporal Lobectomy in Childhood. 2018 , 24, 1113-1122.e6		20
296	Visual search reveals a critical component to shape. <i>Journal of Vision</i> , 2018 , 18, 2	0.4	13
295	Presaccadic EEG activity predicts visual saliency in free-viewing contour integration. 2018 , 55, e13267		8
294	Typical Lateral Interactions, but Increased Contrast Sensitivity, in Migraine-With-Aura. 2018 , 2,		10
293	A Geometric Model of Multi-scale Orientation Preference Maps via Gabor Functions. 2018 , 60, 900-912		9
292	How Visual Cortical Organization Is Altered by Ophthalmologic and Neurologic Disorders. 2018 , 4, 357-379		28
291	Recurrent Processing of Contour Integration in the Human Visual Cortex as Revealed By fMRI-Guided TMS. 2019 , 29, 17-26		6
290	Image Recapture Prevention Using Secure Display Schemes on Polarized 3D System. 2019 , 29, 2296-2309		
289	Neurogeometry of Perception: Isotropic and Anisotropic Aspects. 2019 , 1		2
288	The face-in-the-crowd effect: Threat detection versus iso-feature suppression and collinear facilitation. <i>Journal of Vision</i> , 2019 , 19, 6	0.4	2
287	Heritability of human visual contour integration-an integrated genomic study. 2019 , 27, 1867-1875		1
286	The function of connectomes in encoding sensory stimuli. 2019 , 181, 101659		0
285	TMS reveals inhibitory extrastriate cortico-cortical feedback modulation of V1 activity in humans. <i>Brain Structure and Function</i> , 2019 , 224, 3399-3408	4	13
284	The geometry of masking in neural populations. 2019 , 10, 4879		7

283	Edge-Enhanced Disruptive Camouflage Impairs Shape Discrimination. 2019 , 10, 2041669519877435			1
282	Typical Utilization of Gestalt Grouping Cues in Shape Perception by Persons with Autism Spectrum Disorder. 2019 , 48, 1175-1196			5
281	A Bayesian grouplet transform. 2019 , 13, 871-878			5
280	The resonant brain: How attentive conscious seeing regulates action sequences that interact with attentive cognitive learning, recognition, and prediction. 2019 , 81, 2237-2264			8
279	Subdomains within orientation columns of primary visual cortex. <i>Science Advances</i> , 2019 , 5, eaaw0807	14.3		9
278	A social interaction field model accurately identifies static and dynamic social groupings. 2019 , 3, 847-855			22
277	Perceptual Function and Category-Selective Neural Organization in Children with Resections of Visual Cortex. 2019 , 39, 6299-6314			9
276	Attentional Modulation of Visual Spatial Integration: Psychophysical Evidence Supported by Population Coding Modeling. 2019 , 31, 1329-1342			
275	From receptive profiles to a metric model of V1. 2019 , 46, 257-277			1
274	Co-circularity opponency in visual texture. <i>Scientific Reports</i> , 2019 , 9, 1403		4.9	1
273	Coding of low-level position and orientation information in human naturalistic vision. <i>PLoS ONE</i> , 2019 , 14, e0212141		3.7	1
272	A shape-level flanker facilitation effect in contour integration and the role of shape complexity. <i>Vision Research</i> , 2019 , 158, 221-236		2.1	0
271	Influence of Multiple Types of Proximity on the Degree of Visual Crowding Effects Within a Single Gap Detection Task. 2019 , 10, 2041669519837263			1
270	. 2019 ,			
269	Committees. 2019 ,			
268	Research on Identify Image of the Inscription at the Bottom of Purple Clay Teapot Based on Two-Classification Algorithm. 2019 ,			
267	Leveraging Model Predictive Control As A Calibration Method To Develop Implementable Vehicle Dynamics Controls. 2019 ,			
266	Evaluation and Benchmarking of Singularity MPI containers on EU Research e-Infrastructure. 2019 ,			2

265	Experimental Results of Snow and Soil Moisture Measurement from Non-Vegetated and Vegetated Sites Using P-Band Signals of Opportunity. 2019,	1
264	How Enterprise Architecture Creates Business Value: A Theoretical Model. 2019,	0
263	Ferroelectric Tunneling Junctions for Neurosynaptic Computing. 2019,	2
262	Performance Analysis of Multicarrier PWM Techniques for Dual Inverter Fed Open End Winding Induction Motor Drive. 2019,	
261	Sentiment Analysis of English-Punjabi Code Mixed Social Media Content for Agriculture Domain. 2019,	3
260	After Almost 10 Years in Orbit: First Glance at Synergisms and New Results. 2019,	1
259	Visualization of Real-Time Heterogeneous Smart City Data Using Virtual Reality. 2019,	3
258	Energy Efficient Scheduling with Task Migration on MPSoC Architectures. 2019,	
257	Ultrasonic Molding of Polymer Micro Devices. 2019,	
256	Dual-Band Bandstop Filter Microstrip using T-DMS and U-DGS. 2019,	1
255	Joint Group Feature Selection and Discriminative Filter Learning for Robust Visual Object Tracking. 2019,	68
254	Selection of Vape Sensing Features in IoT-Based Gas Monitoring with Feature Importance Techniques. 2019,	0
253	Fair Adversarial Gradient Tree Boosting. 2019,	4
252	First-principles study of defect properties in radiation-detectable TlBr. 2019,	
251	. 2019,	0
250	5-Bit Spiral Distributed RF MEMS Phase Shifter. 2019,	1
249	Why Does Space Feel the Way it Does? Towards a Principled Account of Spatial Experience. 2019, 21, 1160	42
248	An Efficient Heuristic for the Vacation Planning Problem. 2019,	1

247	Random Forest based Classification Model for Lung Cancer Prediction on Computer Tomography Images. 2019,		3
246	Fault Diagnosis For Gearbox Based On Deep Belief Network. 2019,		
245	Fingerprint Presentation Attack Detection: Multispectral imaging with a narrow-band camera using Bag of Features. 2019,		1
244	Sintering of oxide-free copper pastes for the attachment of SiC power devices. 2019,		
243	. 2019,		13
242	. 2019,		27
241	Dissolved Gas Analysis of Liquid Insulation under AC and Impulse Breakdown Voltage Tests. 2019,		
240	. 2019,		5
239	A Comprehensive survey on Blockchain: Working, security analysis, privacy threats and potential applications. 2019,		25
238	Asymmetric Propulsion: Thrust and Maneuverability from a Single Degree of Freedom. 2019,		1
237	InstaBoost: Boosting Instance Segmentation via Probability Map Guided Copy-Pasting. 2019,		44
236	Vascular biomarkers for diabetes and diabetic retinopathy screening. 2019, 319-352		0
235	Excitatory and inhibitory lateral interactions effects on contrast detection are modulated by tRNS. <i>Scientific Reports</i> , 2019, 9, 19274	4.9	5
234	Increased Noise in Cortico-Cortical Integration After Mild TBI Measured With the Equivalent Noise Technique. 2019, 10, 767		
233	Ecological origins of perceptual grouping principles in the auditory system. 2019, 116, 25355-25364		13
232	Psychophysical evaluation of individual low-level feature influences on visual attention. <i>Vision Research</i> , 2019, 154, 60-79	2.1	5
231	A Context-Aware Augmentative and Alternative Communication System for School Children With Intellectual Disabilities. 2020, 14, 208-219		6
230	Learning Nonclassical Receptive Field Modulation for Contour Detection. 2019,		5

229	A Perception-Inspired Deep Learning Framework for Predicting Perceptual Texture Similarity. 2020 , 30, 3714-3726		1
228	Configural superiority for varying contrast levels. 2020 , 82, 1355-1367		3
227	Shape partitioning interacts with global shape integration. <i>Vision Research</i> , 2020 , 166, 20-32	2.1	4
226	Morphological Profiling of Schizophrenia: Cluster Analysis of MRI-Based Cortical Thickness Data. 2020 , 46, 623-632		13
225	Collinear facilitation and contour integration in autistic adults: Examining lateral and feedback connectivity. <i>Vision Research</i> , 2020 , 177, 56-67	2.1	5
224	Mind-Craft: Exploring the Effect of Digital Visual Experience on Changes to Orientation Sensitivity in Visual Contour Perception. 2020 , 49, 1005-1025		1
223	Recurrent neural networks can explain flexible trading of speed and accuracy in biological vision. <i>PLoS Computational Biology</i> , 2020 , 16, e1008215	5	21
222	Integration of contours defined by second-order contrast-modulation of texture. <i>Vision Research</i> , 2020 , 176, 1-15	2.1	
221	Aesthetic Perception of Line Patterns: Effect of Edge-Orientation Entropy and Curvilinear Shape. 2020 , 11, 2041669520950749		4
220	Visual Corticocortical Inputs to Ferret Area 18. 2020 , 14, 581478		0
219	A sub-Riemannian model of the visual cortex with frequency and phase. 2020 , 10, 11		3
218	Top-Down Networks: A coarse-to-fine reimagination of CNNs. 2020 ,		1
217	Anisotropic gradient-based filtering for object segmentation in medical images. 2020 , 8, 621-630		6
216	Editorial: Managing Science and Technology During Crisis and Emergency. 2020 , 67, 250-251		0
215	Distorted optical input affects human perception. <i>Scientific Reports</i> , 2020 , 10, 11527	4.9	1
214	Impact of data smoothing on semantic segmentation. 2020 , 1		0
213	A Metric Model for the Functional Architecture of the Visual Cortex. 2020 , 80, 1057-1081		1
212	Local features and global shape information in object classification by deep convolutional neural networks. <i>Vision Research</i> , 2020 , 172, 46-61	2.1	15

211	Postnatal Development of Visual Cortical Function in the Mammalian Brain. 2020 , 14, 29	7
210	Control of MagLev System Using Supertwisting and Integral Backstepping Sliding Mode Algorithm. 2020 , 8, 51352-51362	14
209	Dilute Oxygen Alloys of ZnS as a Promising Toxic-Free Buffer Layer for Cu(In, Ga)Se ₂ Thin-Film Solar Cells. 2020 , 67, 1666-1673	5
208	. 2020 , 68, 1794-1821	3
207	A robust contour detection operator with combined push-pull inhibition and surround suppression. 2020 , 524, 229-240	5
206	. 2020 , 5, 3854-3860	5
205	The Importance of Phase to Texture Discrimination and Similarity. 2021 , 27, 3755-3768	
204	Neural responses to dynamic adaptation reveal the dissociation between the processing of the shape of contours and textures. 2020 , 127, 78-93	2
203	Current Center Line Integration in the Manufacturing Process of the ITER Toroidal Field Coils. 2020 , 30, 1-4	6
202	Impairment of cyclopean surface processing by disparity-defined masking stimuli. <i>Journal of Vision</i> , 2020 , 20, 1	0.4 1
201	Short-Term Failure Warning for Transmission Tower Under Land Subsidence Condition. 2020 , 8, 10455-10465	7
200	Recognizing Linear Building Patterns in Topographic Data by Using Two New Indices based on Delaunay Triangulation. 2020 , 9, 231	4
199	Bibliography. 2021 , 479-521	
198	Inference of Other's Minds with Limited Information in Evolutionary Robotics. 2021 , 13, 661-676	
197	Perceptual Texture Similarity Estimation: An Evaluation of Computational Features. 2021 , 43, 2429-2448	5
196	Differential Circuit Mechanisms of Young and Aged Visual Cortex in the Mammalian Brain. 2021 , 2, 1-26	
195	Neuroscienze per l'architettura. 193-211	
194	Visual Noise Effect on Contour Integration and Gaze Allocation in Autism Spectrum Disorder. 2021 , 15, 623663	2

193	Rearrangement of the Activity of Neural Networks in the Human Brain on Reaching the Recognition Threshold for Fragmented Images. 2021 , 51, 229-237		
192	Impact of microsaccades on visual shape processing. 2021 , 125, 609-619		1
191	A Cortical-Inspired Sub-Riemannian Model for Poggendorff-Type Visual Illusions. <i>Journal of Imaging</i> , 2021 , 7,	3.1	0
190	Surface slant impairs disparity discontinuity discrimination. <i>Vision Research</i> , 2021 , 180, 37-50	2.1	1
189	Global optometrist top 200 research ranking. 2021 , 104, 471-485		5
188	Redundancy between spectral and higher-order texture statistics for natural image segmentation.		
187	A computational model for gestalt proximity principle on dot patterns and beyond. <i>Journal of Vision</i> , 2021 , 21, 23	0.4	
186	Migraine Visual Aura and Cortical Spreading Depression-Linking Mathematical Models to Empirical Evidence. 2021 , 5,		1
185	Pattern Recognition of Complex Distributed Ditches. 2021 , 10, 450		
184	Point-estimating observer models for latent cause detection.		
183	Computational Model for Global Contour Precedence Based on Primary Visual Cortex Mechanisms. 2021 , 18, 1-21		1
182	Improved deep CNNs based on Nonlinear Hybrid Attention Module for image classification. <i>Neural Networks</i> , 2021 , 140, 158-166	9.1	4
181	Gestalts at threshold could reveal Gestalts as predictions. <i>Scientific Reports</i> , 2021 , 11, 18308	4.9	1
180	Capturing the objects of vision with neural networks. 2021 , 5, 1127-1144		5
179	Analysis of shape uses local apparent position rather than physical position. <i>Journal of Vision</i> , 2021 , 21, 5	0.4	1
178	Horizontal connectivity in V1 : Prediction of coherence in contour and motion integration.		
177	Redundancy between spectral and higher-order texture statistics for natural image segmentation. <i>Vision Research</i> , 2021 , 187, 55-65	2.1	0
176	Visual sensitivity to parallel configurations of contours compared with sensitivity to other configurations. <i>Vision Research</i> , 2021 , 188, 149-161	2.1	1

175	Sparse deep predictive coding captures contour integration capabilities of the early visual system. <i>PLoS Computational Biology</i> , 2021 , 17, e1008629	5	5
174	Motion Perception.		6
173	Common properties of visual segmentation. 1994 , 184, 245-59; discussion 260-71		9
172	Circuitry, architecture and functional dynamics of visual cortex. 1994 , 184, 35-56; discussion 56-70		2
171	Collator units: second-stage orientational filters. 1994 , 184, 170-84; discussion 184-92, 269-71		6
170	Sparse Models for Computer Vision. 319-346		2
169	Plasticity in V1 Induced by Perceptual Learning. 2006 , 245-283		1
168	Evaluation of the Effect of Input Stimuli on the Quality of Orientation Maps Produced Through Self Organization. <i>Lecture Notes in Computer Science</i> , 2005 , 810-820	0.9	1
167	Contour Detection by Synchronization of Integrate-and-Fire Neurons. <i>Lecture Notes in Computer Science</i> , 2002 , 60-69	0.9	5
166	Computational Cortical Cell Models for Continuity and Texture. <i>Lecture Notes in Computer Science</i> , 2002 , 90-98	0.9	1
165	Recurrent Long-Range Interactions in Early Vision. <i>Lecture Notes in Computer Science</i> , 2001 , 127-138	0.9	3
164	Edge Based Probabilistic Relaxation for Sub-pixel Contour Extraction. <i>Lecture Notes in Computer Science</i> , 2001 , 328-343	0.9	3
163	Multiscale Functional Imaging in V1 and Cortical Correlates of Apparent Motion. 2009 , 73-93		4
162	Encyclopedia of Sustainability Science and Technology. 2012 , 3135-3150		1
161	Synchronization: The Computational Currency of Cognition. 1998 , 23-40		3
160	Challenges in Understanding Visual Shape Perception and Representation: Bridging Subsymbolic and Symbolic Coding. 2013 , 249-274		3
159	The Curve Indicator Random Field: Curve Organization Via Edge Correlation. 2000 , 265-288		19
158	Breakout Session Report: Principles and Methods. 2000 , 17-28		1

157	Cortical Synchronization and Perceptual Saliency. 1998 , 125-130		4
156	Non-Fourier Cortical Processes in Texture, Form, and Motion Perception. 1999 , 445-477		27
155	The Role of Criticality in Flexible Visual Information Processing. 2019 , 233-264		2
154	Individuation and Semiogenesis: An Interplay Between Geometric Harmonics and Structural Morphodynamics. <i>Lecture Notes in Morphogenesis</i> , 2015 , 49-73	0	5
153	A Geometric Model for the Functional Circuits of the Visual Front-End. <i>Lecture Notes in Computer Science</i> , 2014 , 35-50	0.9	3
152	Human Visual Perception. 2016 , 279-312		2
151	An Algorithm for Tight Frame Grouplet to Compute Association Fields. <i>Lecture Notes in Computer Science</i> , 2017 , 187-196	0.9	1
150	A Biologically Motivated and Computationally Tractable Model of Low and Mid-Level Vision Tasks. <i>Lecture Notes in Computer Science</i> , 2004 , 506-517	0.9	1
149	Computational Scene Analysis. 2007 , 163-191		4
148	GPSEL: A Gestural Perceptual-Based Path Selection Technique. <i>Lecture Notes in Computer Science</i> , 2009 , 243-252	0.9	6
147	A Novel Visual Organization Based on Topological Perception. <i>Lecture Notes in Computer Science</i> , 2010 , 180-189	0.9	2
146	Reading Out the Synaptic Echoes of Low-Level Perception in V1. <i>Lecture Notes in Computer Science</i> , 2012 , 486-495	0.9	5
145	Landmarks for Neurogeometry. <i>Lecture Notes in Morphogenesis</i> , 2014 , 1-85	0	3
144	From Functional Architectures to Percepts: A Neuromathematical Approach. <i>Lecture Notes in Morphogenesis</i> , 2014 , 131-171	0	1
143	Cuspless Sub-Riemannian Geodesics within the Euclidean Motion Group SE(d). <i>Lecture Notes in Morphogenesis</i> , 2014 , 173-215	0	4
142	Psychophysics, Gestalts and Games. <i>Lecture Notes in Morphogenesis</i> , 2014 , 217-242	0	1
141	Beamlets and Multiscale Image Analysis. 2002 , 149-196		76
140	Contour Extraction Based on Human Visual System. 2015 , 394-405		2

139	Long-Range Intrinsic Connections in Cat Primary Visual Cortex. 2002 , 387-vi		3
138	Going in circles is the way forward: the role of recurrence in visual inference. 2020 , 65, 176-193		17
137	Right-hemisphere specialization for contour grouping. 2014 , 61, 331-9		4
136	On a common circle: natural scenes and Gestalt rules. 2001 , 98, 1935-40		113
135	What Is the Other 85 Percent of V1 Doing?. 2006 , 182-212		19
134	Understanding Vision. 2014 ,		45
133	Distributed Sampling-based Bayesian Inference in Coupled Neural Circuits.		0
132	Ecological origins of perceptual grouping principles in the auditory system.		2
131	Recurrent neural networks can explain flexible trading of speed and accuracy in biological vision.		6
130	Integration of Contours Defined by Second-Order Contrast-Modulation of Texture.		1
129	Mental structures. 2021 , 55, 649-677		3
128	Review of visualization methods for passive polarization imaging. 2019 , 58, 1		11
127	PolyFit. 2020 , 39,		5
126	Vision and Virtual Environments. 2014 , 39-85		6
125	Connect the dots: how many random points can a regular curve pass through?. 2005 , 37, 571-603		14
124	Extraction of surface-related features in a recurrent model of V1-V2 interactions. <i>PLoS ONE</i> , 2009 , 4, e5909	3-7	22
123	Disambiguating multi-modal scene representations using perceptual grouping constraints. <i>PLoS ONE</i> , 2010 , 5, e10663	3-7	4
122	A first- and second-order motion energy analysis of peripheral motion illusions leads to further evidence of "feature blur" in peripheral vision. <i>PLoS ONE</i> , 2011 , 6, e18719	3-7	6

121	Context modulates the ERP signature of contour integration. <i>PLoS ONE</i> , 2011 , 6, e25151	3.7	16
120	Integrating biological motion: the role of grouping in the perception of point-light actions. <i>PLoS ONE</i> , 2011 , 6, e25867	3.7	5
119	Abnormal contextual modulation of visual contour detection in patients with schizophrenia. <i>PLoS ONE</i> , 2013 , 8, e68090	3.7	24
118	Grouping and crowding affect target appearance over different spatial scales. <i>PLoS ONE</i> , 2013 , 8, e71188	3.7	16
117	Beta, but not gamma, band oscillations index visual form-motion integration. <i>PLoS ONE</i> , 2014 , 9, e95541	3.7	15
116	Director field model of the primary visual cortex for contour detection. <i>PLoS ONE</i> , 2014 , 9, e108991	3.7	1
115	Effects of Spatial Frequency Similarity and Dissimilarity on Contour Integration. <i>PLoS ONE</i> , 2015 , 10, e0126449	3.7	2
114	Similar Sensitivity to Ladder Contours in Macular Degeneration Patients and Controls. <i>PLoS ONE</i> , 2015 , 10, e0128119	3.7	4
113	Orientation Tuning Depends on Spatial Frequency in Mouse Visual Cortex. 2016 , 3,		11
112	Perceptual organization in schizophrenia: Plasticity and state-related change. 2009 , 1, 229-261		14
111	Dependence of the filled-space illusion on the size and location of contextual distractors. 2020 , 80, 139-159		2
110	La simplicité de la notion géométrique de jet. 2014 ,		1
109	Perceptual load modulates contour integration in conscious and unconscious states. 2019 , 7, e7550		3
108	Nonsymbolic numerosity in sets with illusory-contours exploits a context-sensitive, but contrast-insensitive, visual boundary formation process. 2021 , 84, 205		
107	Synthesizing Complex Perceptions: I. Concepts of Visual Feature Associations Based on Neural Synchronization and Related Experimental Results in the Visual Cortex. 2000 , 175-190		
106	On the Computational Modeling of Human Vision. 2001 , 381-407		
105	Psychophysical Measurement of Attentional Modulation in Low-Level Vision Using the Lateral-Interactions Paradigm. 2002 , 25-39		
104	Salience. 2002 , 237-250		

103	Medical Ultrasound Image Similarity Measurement by Human Visual System (HVS) Modelling. <i>Lecture Notes in Computer Science</i> , 2002 , 340-347	0.9	
102	Primary Visual Cortex Within the Cortico-corticothalamic Network. 2002 , 609-xii		
101	Application of the Tensor Voting Technique for Perceptual Grouping to Grey-Level Images. <i>Lecture Notes in Computer Science</i> , 2002 , 306-314	0.9	3
100	Neural Principles of Preattentive Scene Segmentation: Hints from Cortical Recordings, Related Models, and Perception. 2002 , 183-216		1
99	Computing in Cortical Columns: Information Processing in Visual Cortex. 2003 , 263-273		
98	Foundations of Visual Perception. 85		1
97	Information Visualization - Pages 405-449. 2004 , 405-449		
96	TEXTURE SEGREGATION AND TEXTURE TRANSPARENCY. 2005 , 48, 155-170		
95	Az emberi lés fejlőlése 2005 , 60, 309-326		1
94	Which Computation Runs in Visual Cortical Columns?. 2006 , 215-244		
93	Occlusion Awaits Disclosure. 2007 , 13-25		
92	Introduction. 1-11		
91	Perceptual Learning. 2008 , 303-328		
90	Video Security and Protection. 2009 , 527-570		
89	A Global Closure Effect in Contour Integration. <i>Lecture Notes in Computer Science</i> , 2009 , 259-266	0.9	
88	Contextual Interactions in Visual Perception. 2009 , 137-144		
87	From Moving Contours to Object Motion: Functional Networks for Visual Form/Motion Processing. 2009 , 3-36		
86	?????????. 2009 , 16, 2-11		1

85	Contour Extraction Based on Surround Inhibition and Contour Grouping. <i>Lecture Notes in Computer Science</i> , 2010 , 687-696	0.9	
84	The effect of width of contacting region of Koffka's ring on brightness homogeneity. 2010 , 22, 41-58		
83	The effect of depth discontinuity on spreading of motion aftereffect to non-adapted area. 2010 , 21, 1-24		
82	Spatially-Variant Structuring Elements Inspired by the Neurogeometry of the Visual Cortex. <i>Lecture Notes in Computer Science</i> , 2011 , 236-247	0.9	1
81	? 3D and Spatiotemporal Interpolation in Object and Surface Formation. 2011 , 209-234		
80	Transportation Technologies for Sustainability. 2013 , 422-437		
79	Information Visualization - Pages 459-496. 2013 , 459-496		
78	Perceptual Organization of Shape. 2013 , 71-83		1
77	The Importance of Long-Range Interactions to Texture Similarity. <i>Lecture Notes in Computer Science</i> , 2013 , 425-432	0.9	8
76	Edge Grouping and Contour Detection by Delaunay Triangulation. 2013 , 13, 135-142		
75	Friends and Circles: Design Study for Contact Management in Egocentric Online Social Networks. 2014 , 129-161		1
74	Encyclopedia of Computational Neuroscience. 2014 , 1-12		
73	Functional Aspects II. 1994 , 373-422		
72	Oscillatory and Non-Oscillatory Synchronizations in the Visual Cortex of Cat and Monkey. 1994 , 115-134		2
71	Neural model of cortical dynamics in resonant boundary detection and grouping. <i>Lecture Notes in Computer Science</i> , 1996 , 857-862	0.9	
70	Improving the shape recognition performance of a model with Gabor filter representation. <i>Lecture Notes in Computer Science</i> , 1997 , 369-375	0.9	
69	Neural Principles of Visual Cortical Processing: Scene Segmentation Investigated with Microelectrodes and Models. 1998 , 225-246		
68	Approach and scope. 2014 , 1-15		

- 67 Visual recognition as decoding. **2014**, 315-363
- 66 The V1 hypothesis: creating a bottom-up saliency map for preattentive selection and segmentation. **2014**, 189-314 1
- 65 Epilogue. **2014**, 364-366
- 64 V1 and information coding. **2014**, 177-188
- 63 La visione di Jung sulle cause e il trattamento della schizofrenia alla luce delle attuali conoscenze delle neuroscienze cognitive e della ricerca in psicoterapia. I. Etiologia e fenomenologia. *Studi Junghiani*, **2015**, 41-75 0
- 62 Fenomenologia teorica e sperimentale e scienza della visione. *Rivista Di Estetica*, **2015**, 89-135 0.1
- 61 Cortical Networks of Visual Recognition. 295-318
- 60 The Visual Brain: Computing Through Multiscale Complexity. *Research and Perspectives in Neurosciences*, **2016**, 43-57
- 59 Orientation tuning depends on spatial frequency in mouse visual cortex. 0
- 58 Compositional Inductive Biases in Function Learning. 1
- 57 Mathematical Models of Visual Perception Based on Cortical Architectures. *Springer INdAM Series*, **2017**, 123-133 0.4
- 56 An Applied Study to Image-G Transmission in Chinese Literary on Gestalt Perception Laws. *Open Journal of Modern Linguistics*, **2017**, 07, 272-289 0.2 1
- 55 The statistical nature of geometric reasoning.
- 54 Sub-Compartments Within Orientation Columns of Primary Visual Cortex: A Proposal for a Contour Building Architecture. *SSRN Electronic Journal*, 1
- 53 Detecting object boundaries in natural images requires excitatory cell-cell interactions. 1
- 52 Classical-contextual interactions in V1 may rely on dendritic computations.
- 51 The Geometry of Masking in Neural Populations.
- 50 Discriminating Global Orientation of Two Element Sets. *Journal of Cognition*, **2020**, 3, 39 3.2

49	Point-estimating observer models for latent cause detection. <i>PLoS Computational Biology</i> , 2021 , 17, e1009159		
48	Neurog�m�rie et ph�siologie de la perception. 2003 , 53-76		1
47	Encyclopedia of Computational Neuroscience. 2020 , 1-14		3
46	Development and Evaluation of a Visual Remediation Intervention for People with Schizophrenia. <i>Journal of Psychiatry and Brain Science</i> , 2020 , 5,	1.7	4
45	Defect Detection Based on Fusion of Phase Congruency and Shear Wavelet. 2020 ,		
44	Constant curvature segments as building blocks of 2D shape representation. <i>Journal of Experimental Psychology: General</i> , 2021 , 150, 1556-1580	4.7	1
43	Rotational snapping: Illusory rhythmicity induced by global and local motion binding.		
42	Neural Models of Seeing and Thinking. 2004 , 29-54		
41	Functional Architecture of the Visual Cortex and Variational Models for Kanizsa Modal Subjective Contours. 2004 , 55-69		
40	Form Constraints in Motion Integration, Segmentation and Selection. 2004 , 171-189		0
39	Relation between Contour Integration and Figure-Ground Separation. 2006 , 161-166		0
38	The Effects of Visual Deprivation: Implications for Sensory Protheses. 2007 , 47-70		1
37	The many facets of shape.. <i>Journal of Vision</i> , 2022 , 22, 1	0.4	2
36	Euclid's Random Walk: Developmental Changes in the Use of Simulation for Geometric Reasoning.. <i>Cognitive Science</i> , 2022 , 46, e13070	2.2	0
35	Sampling-based Bayesian inference in recurrent circuits of stochastic spiking neurons.		0
34	Time minimization problem on the group of motions of a plane with admissible control in a half-disk. <i>Sbornik Mathematics</i> , 2022 , 213,	1	
33	Revisiting horizontal connectivity rules in V1: from like-to-like towards like-to-all.. <i>Brain Structure and Function</i> , 2022 , 1	4	0
32	Masking, crowding, and grouping: Connecting low and mid-level vision.. <i>Journal of Vision</i> , 2022 , 22, 7	0.4	1

31 Spatially distributed computation in cortical circuits.

30  *Matematicheskii Sbornik*, **2022**, 213, 100-122 0.6

29 Classical-contextual interactions in V1 may rely on dendritic computations.. *Neuroscience*, **2022**, 3.9 0

28 Cortical circuits for top-down control of perceptual grouping.. *Neural Networks*, **2022**, 151, 190-210 9.1 0

27 An overview of edge and object contour detection. *Neurocomputing*, **2022**, 488, 470-493 5.4 0

26 Emergence of Lie Symmetries in Functional Architectures Learned by CNNs. *Frontiers in Computational Neuroscience*, **2021**, 15, 694505 3.5 0

25 Learning to see again: Perceptual learning of simulated abnormal on- off-cell population responses in sighted individuals.. *Journal of Vision*, **2021**, 21, 10 0.4

24 Multi-Frequency Image Completion via a Biologically-Inspired Sub-Riemannian Model with Frequency and Phase.. *Journal of Imaging*, **2021**, 7, 3.1

23 From Local to Global. *Lecture Notes in Morphogenesis*, **2022**, 61-79 0

22 Spatially distributed computation in cortical circuits.. *Science Advances*, **2022**, 8, eabl5865 14.3 1

21 A multi-scale neurodynamic implementation of incremental grouping.. *Vision Research*, **2022**, 197, 108057.1

20 Response Time for Contour Detection and Reading in Children and Adolescents with Autism Spectrum Disorder. *Smart Innovation, Systems and Technologies*, **2022**, 479-487 0.5

19 Unifying model for three forms of contextual modulation including feedback input from higher visual areas.

18 Center-Surround Processing, Computational Role of. **2022**, 696-706

17 Hierarchical Models of the Visual System. **2022**, 1533-1546

16 Horizontal connectivity in V1: Prediction of coherence in contour and motion integration. *PLoS ONE*, **2022**, 17, e0268351 3.7 0

15 Binocular fusion disorders impair basic visual processing. *Scientific Reports*, **2022**, 12, 4.9 0

14 Copyright Page. **2014**, iv-iv

- 13 Preface. **2014**, v-vi
- 12 Bio-inspired contour extraction via EM-driven deformable and rotatable directivity-probing mask. **2022**, 12,
- 11 Perceptual bias contextualized in visually ambiguous stimuli. **2023**, 230, 105284 ○
- 10 Crowding results from optimal integration of visual targets with contextual information. **2022**, 13, 1
- 9 Visually induced band rhythm in spatial summation beyond the receptive field in mouse primary visual cortex. ○
- 8 Modelling the role of contour integration in visual inference. ○
- 7 Object boundary detection in natural images may depend on 'incitatory' cell-cell interactions. JN-RM-2581-18 ○
- 6 Tsunami risk perception, a state-of-the-art review with a focus in the NEAM region. 10, ○
- 5 Levels of orientation bias differ across digital content categories: Implications for visual perception. 030100662211486 ○
- 4 Contribution of higher-order structure to perception of mirror symmetry: Role of shapes and corners. **2023**, 23, 4 ○
- 3 Contours of Vision: Towards a Compositional Semantics of Perception. ○
- 2 Analysis of (sub-)Riemannian PDE-G-CNNs. ○
- 1 Extended perceptive field revealed in humans with binocular fusion disorders. **2023**, 13, ○